

019157-2c
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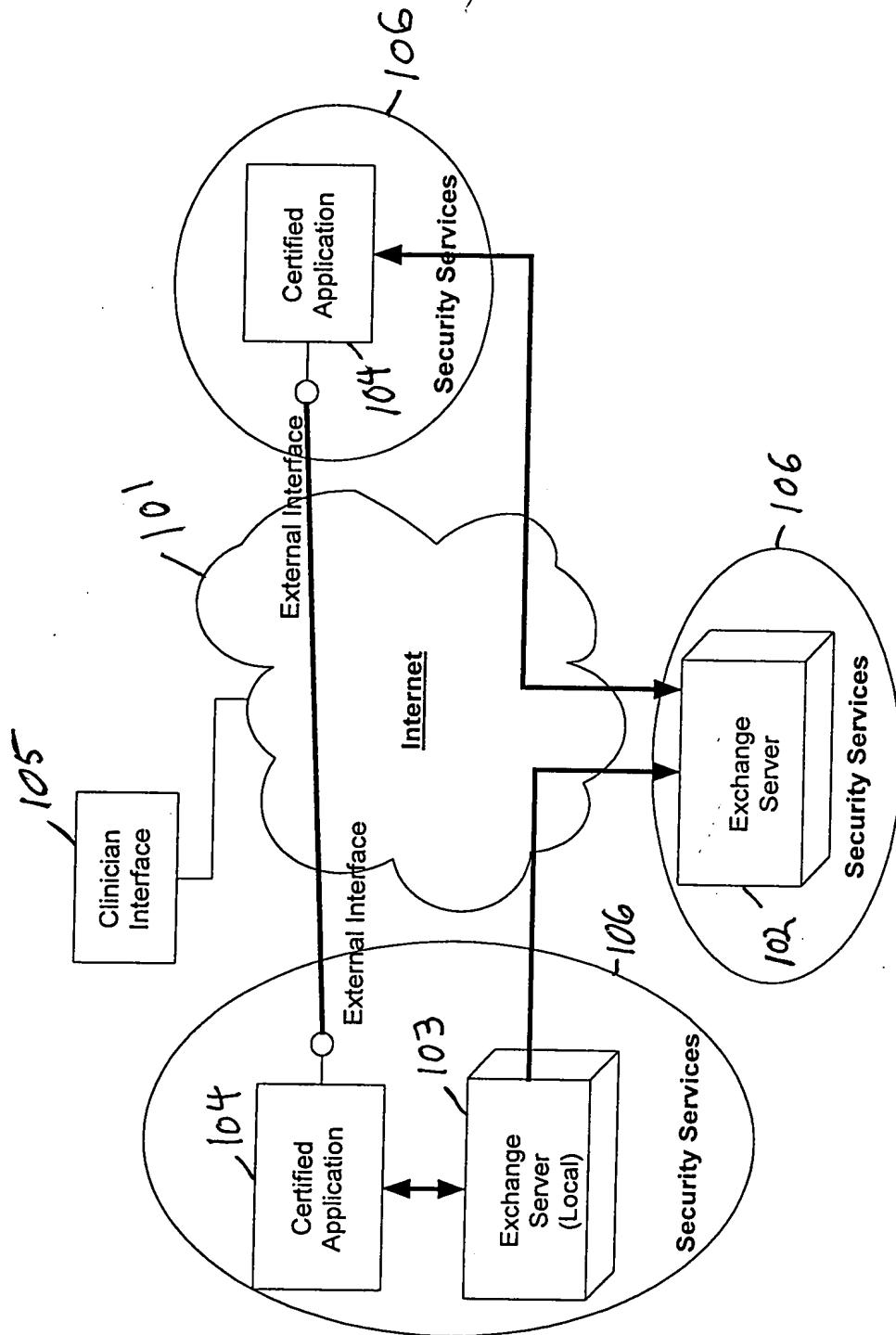


FIG. 1

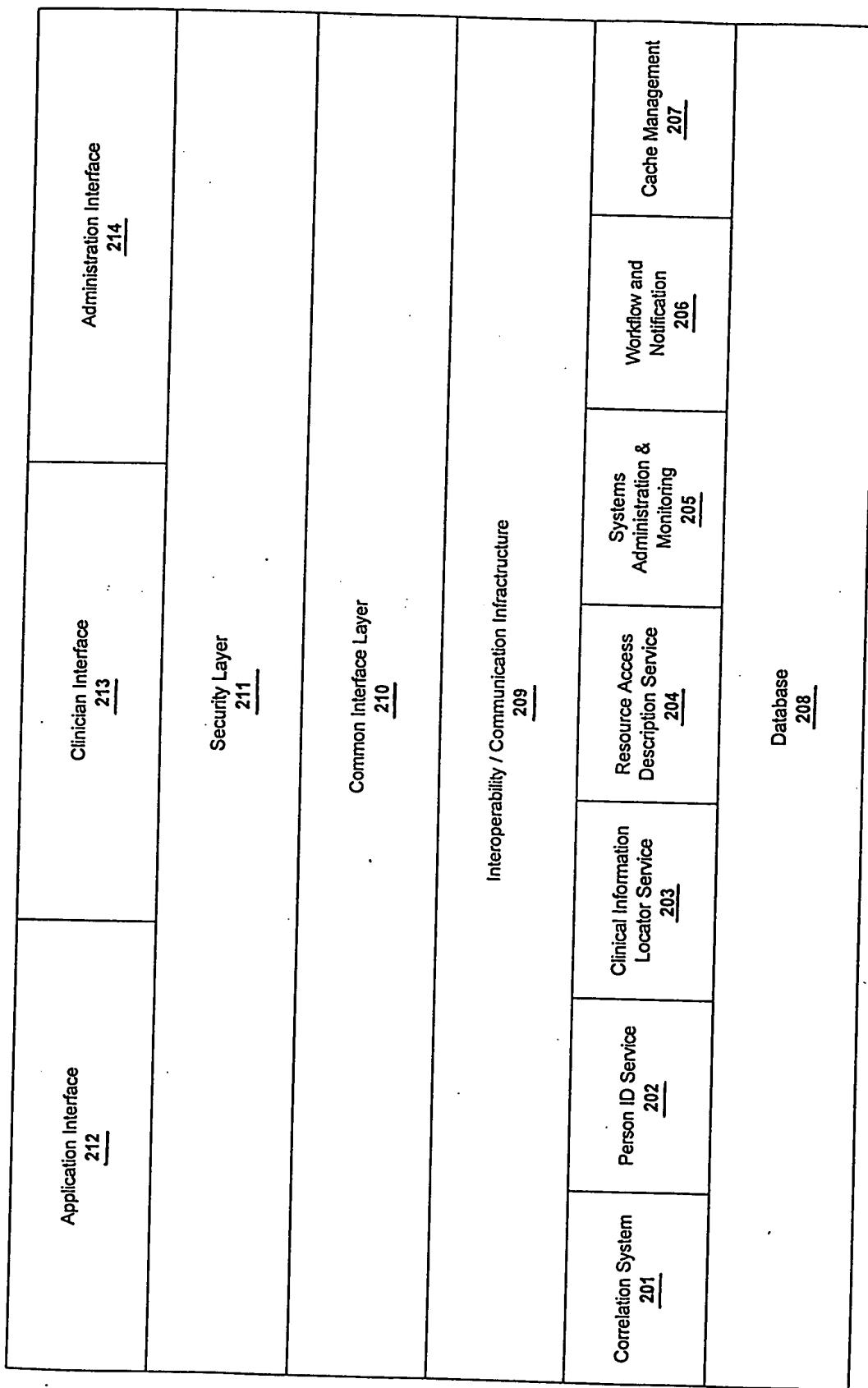


FIG. 2

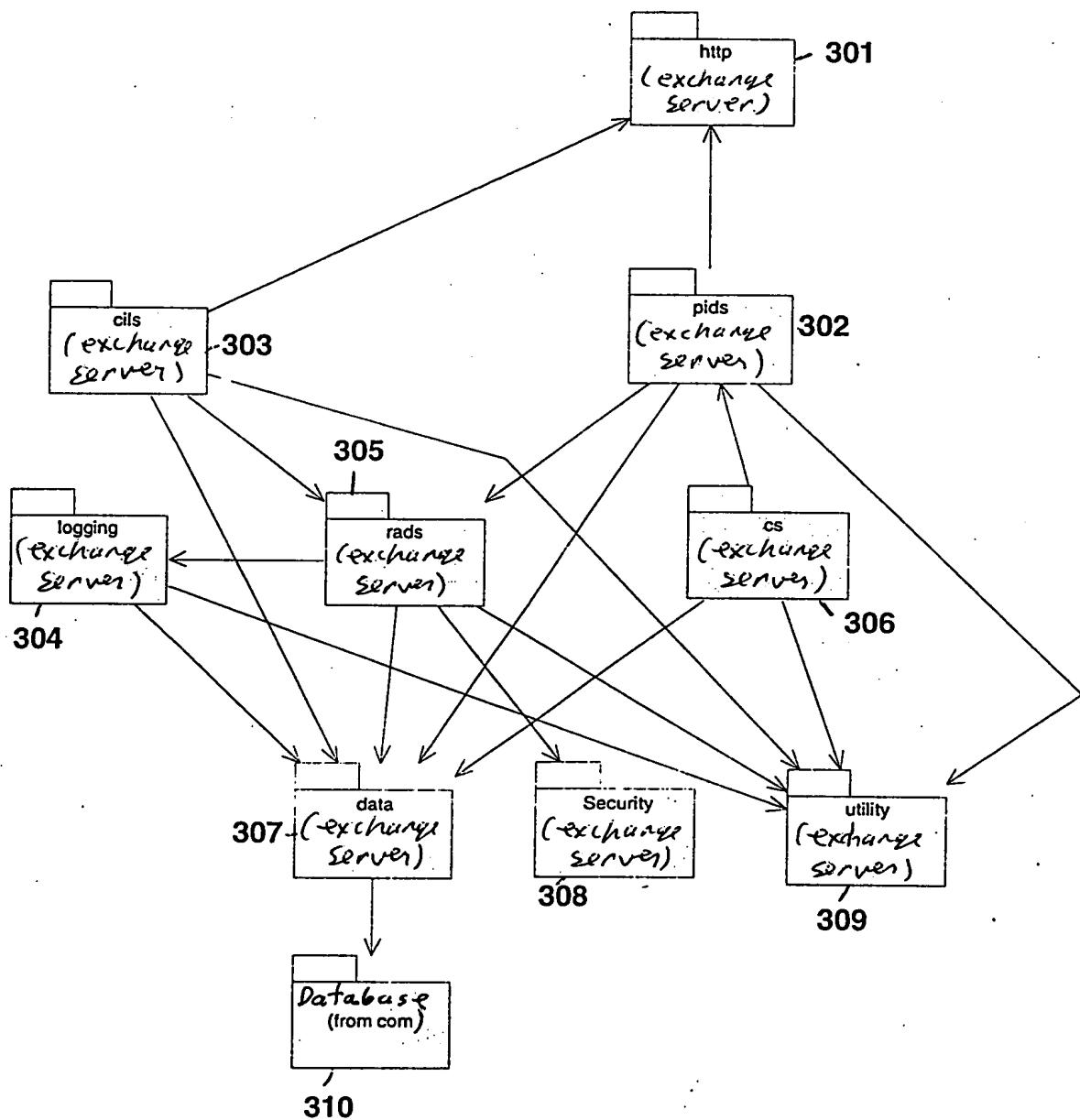


FIG. 3

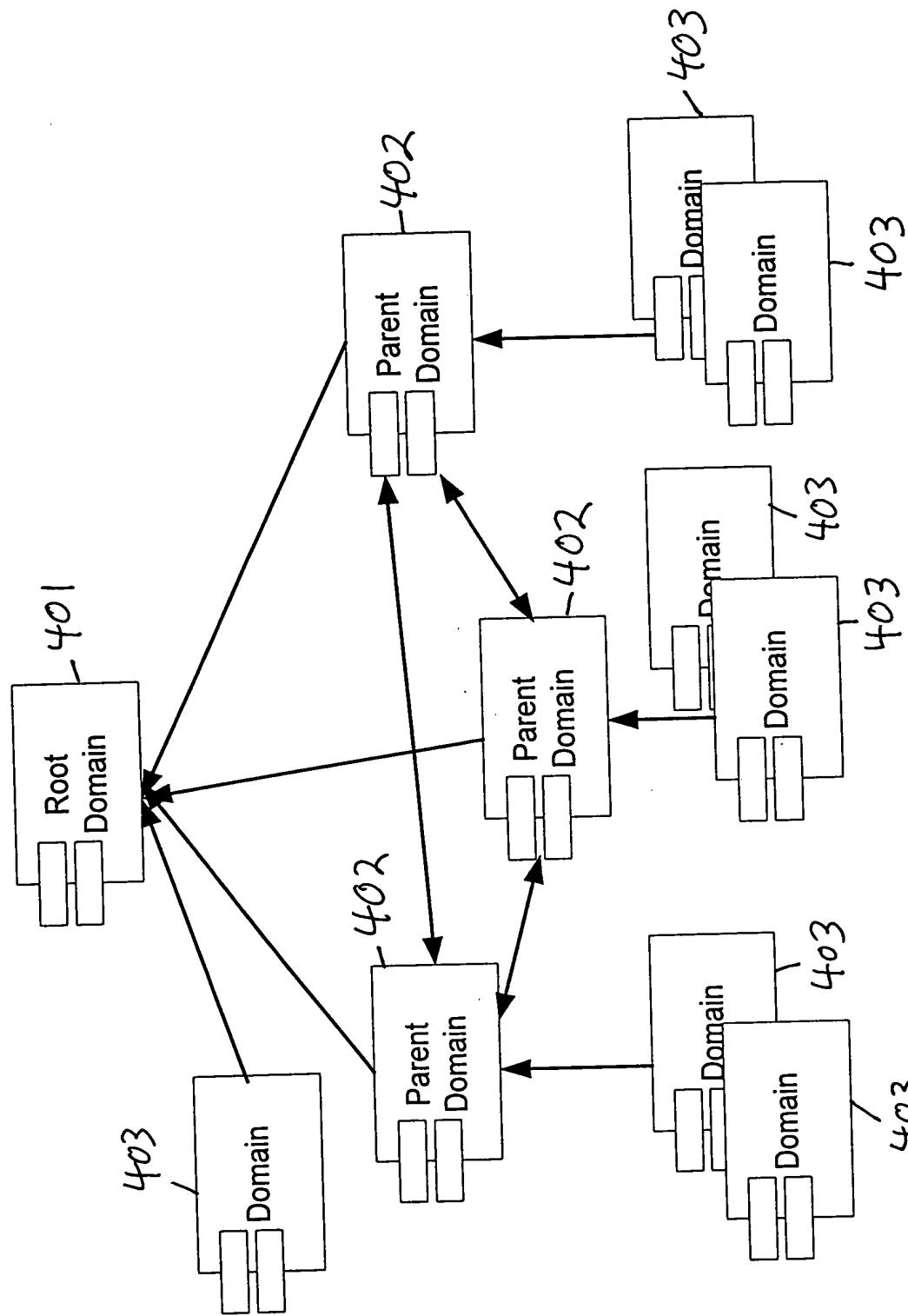


FIG. 4

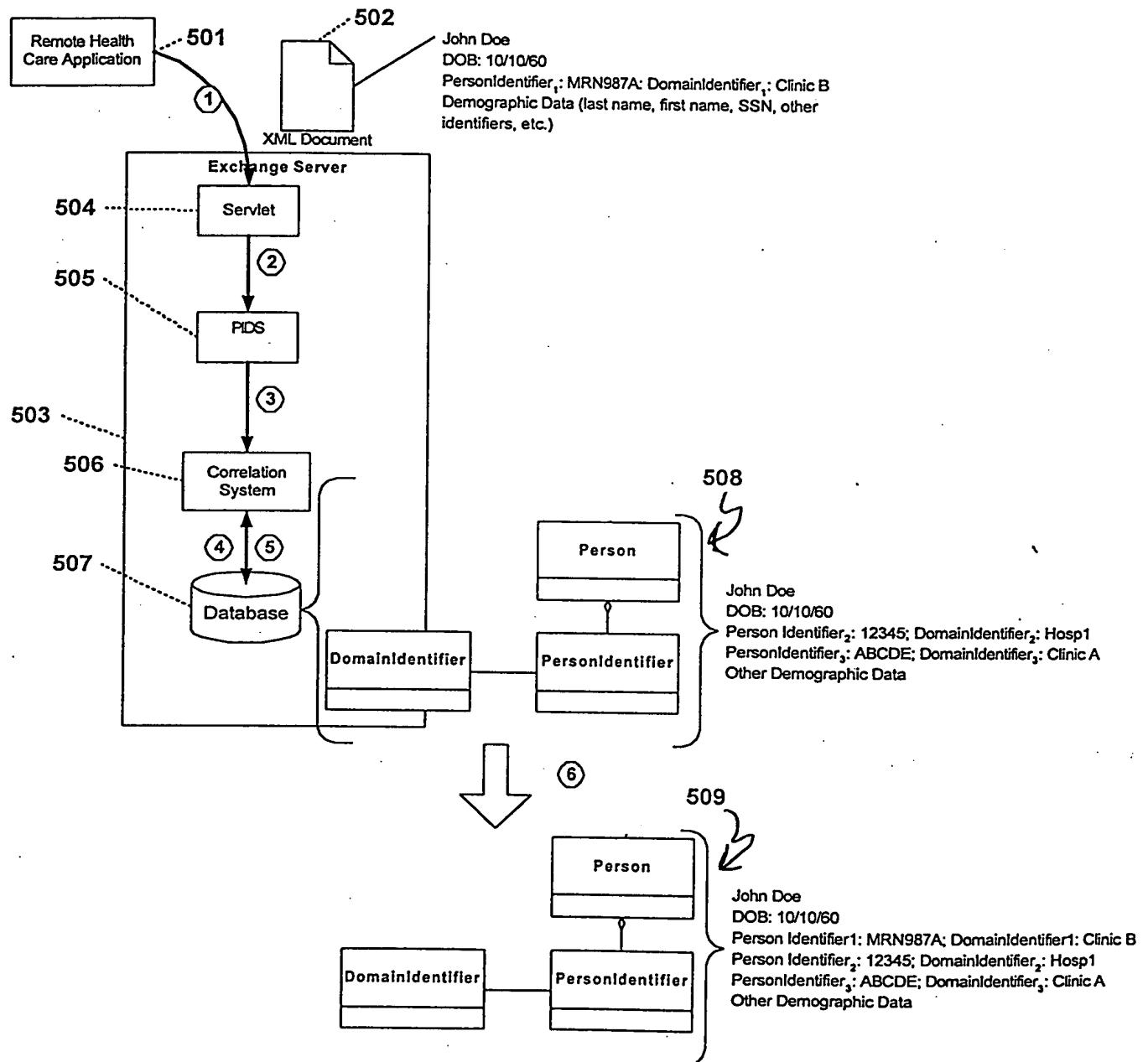


FIG. 5

605 604 603 602 601

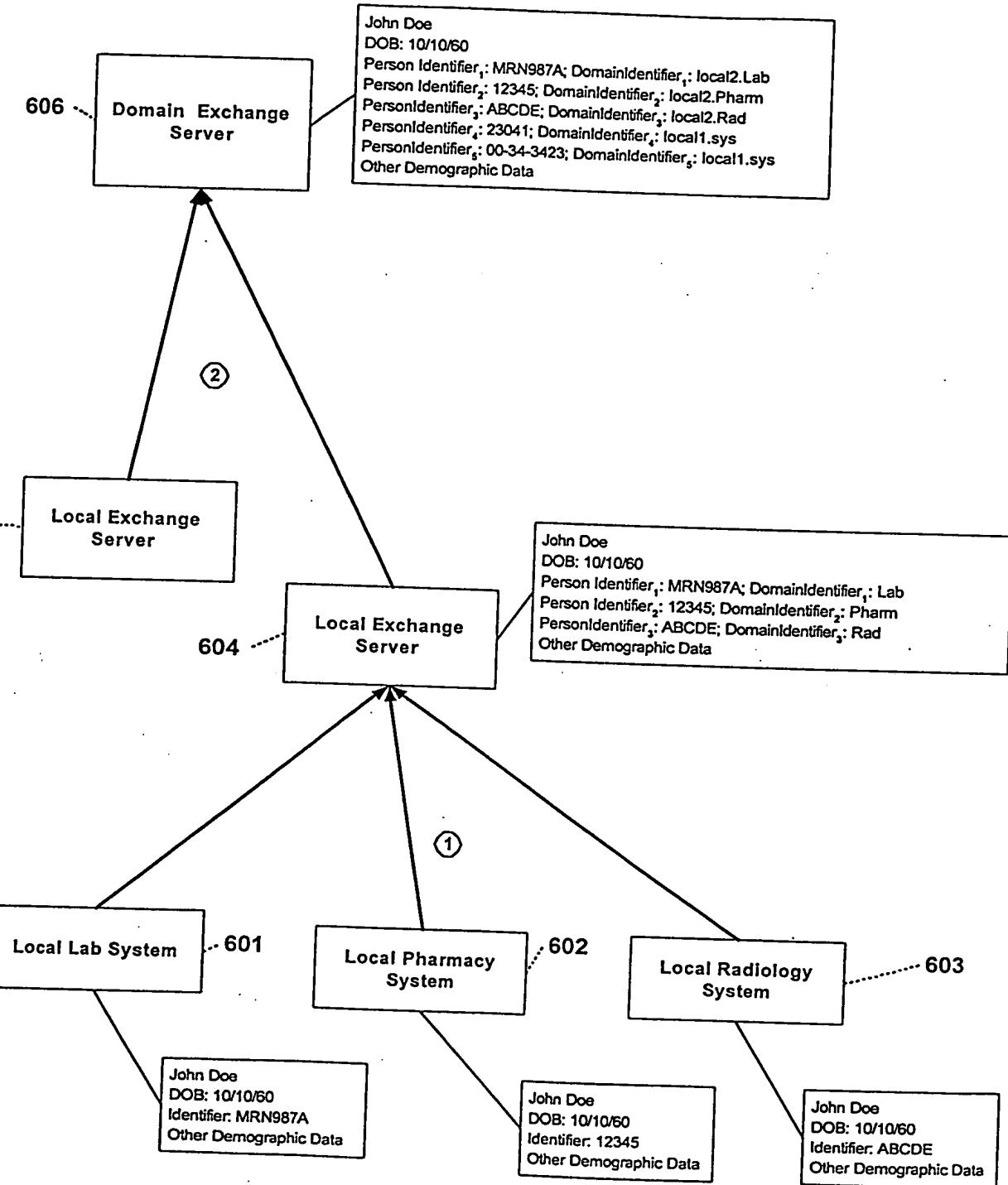


FIG. 6

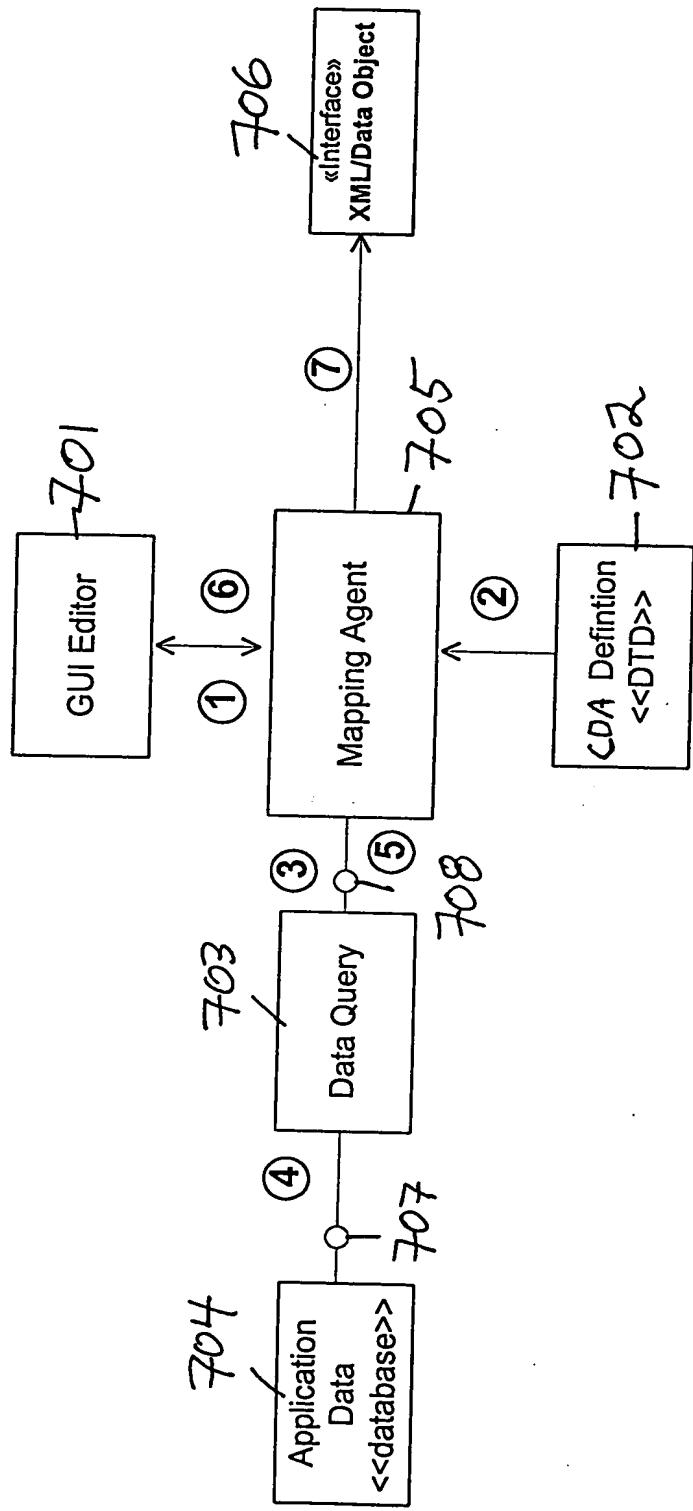


FIG. 7

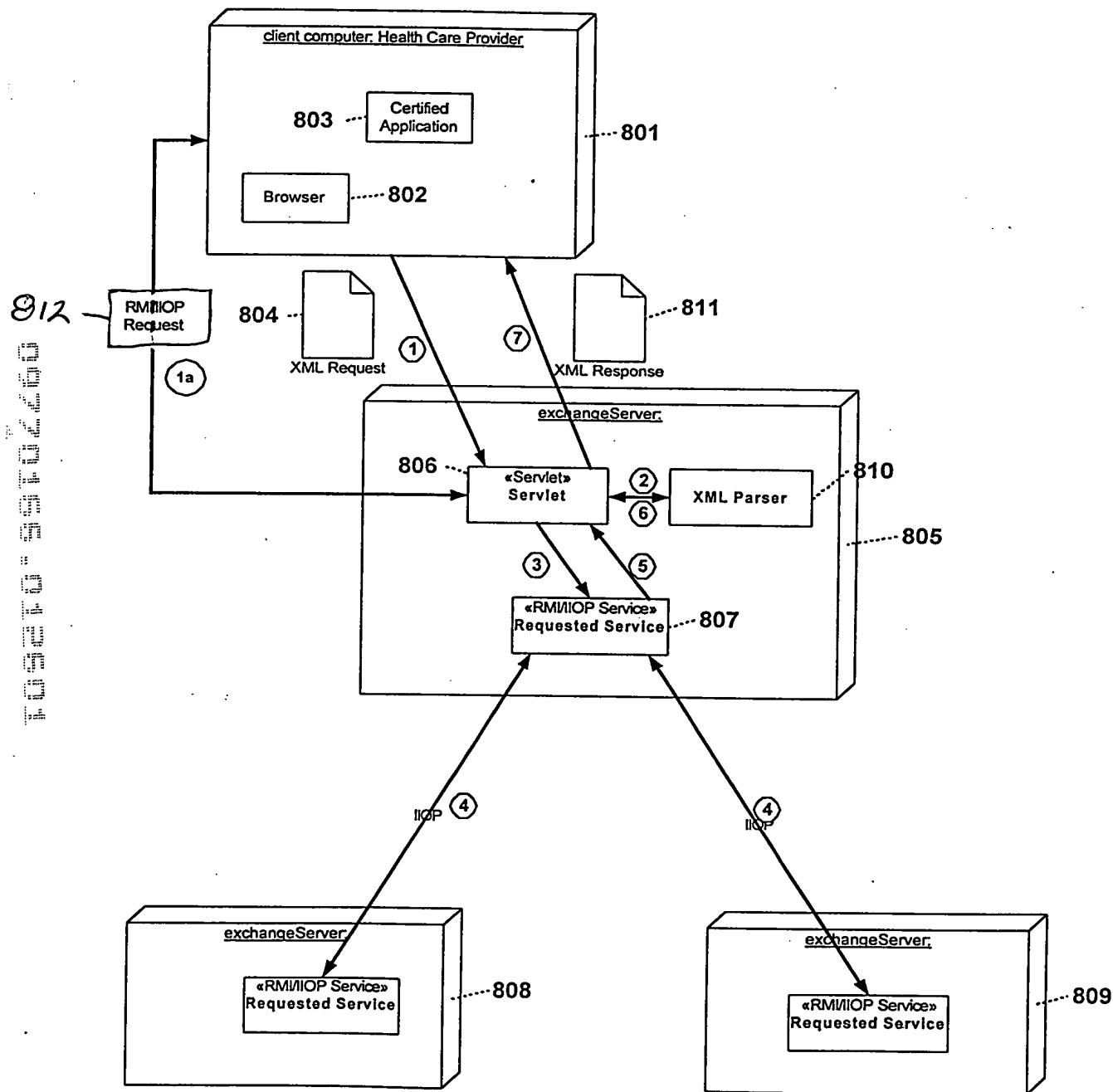


FIG. 8

103270-99702260

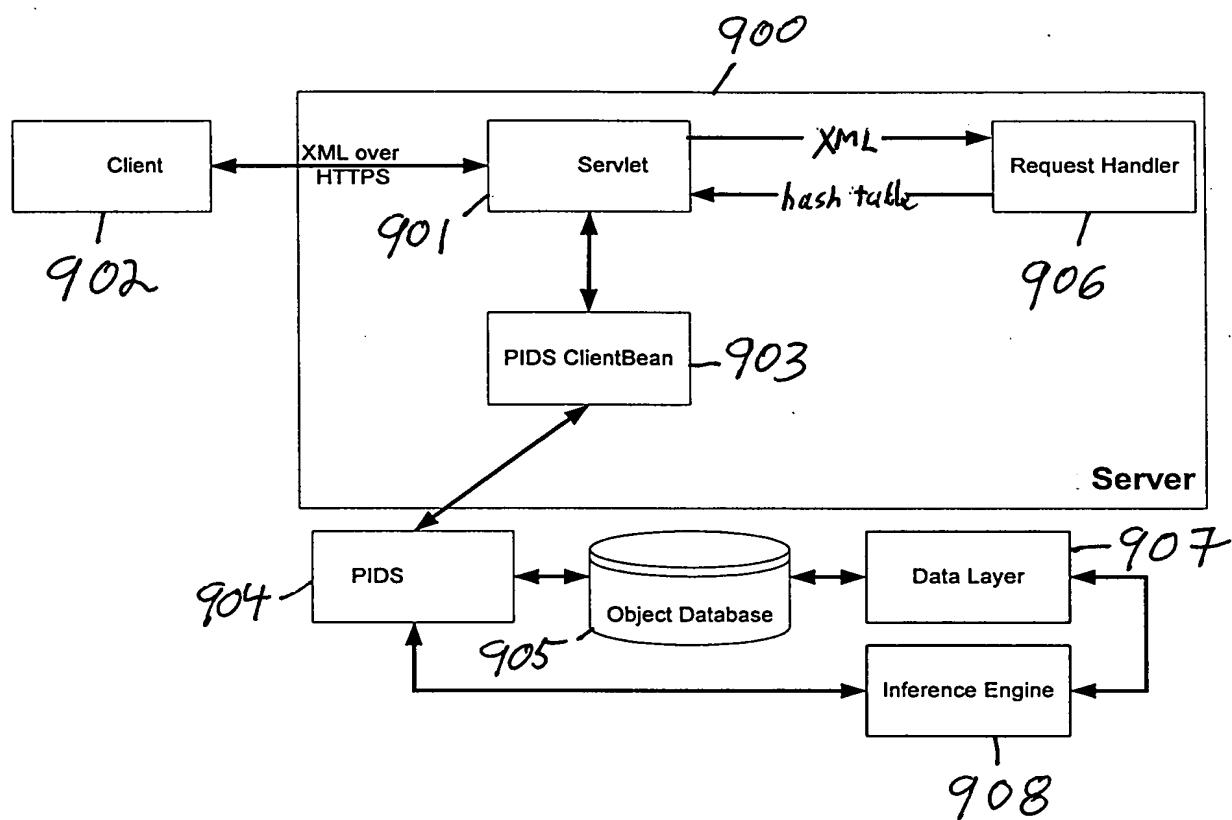


FIG. 9

1001

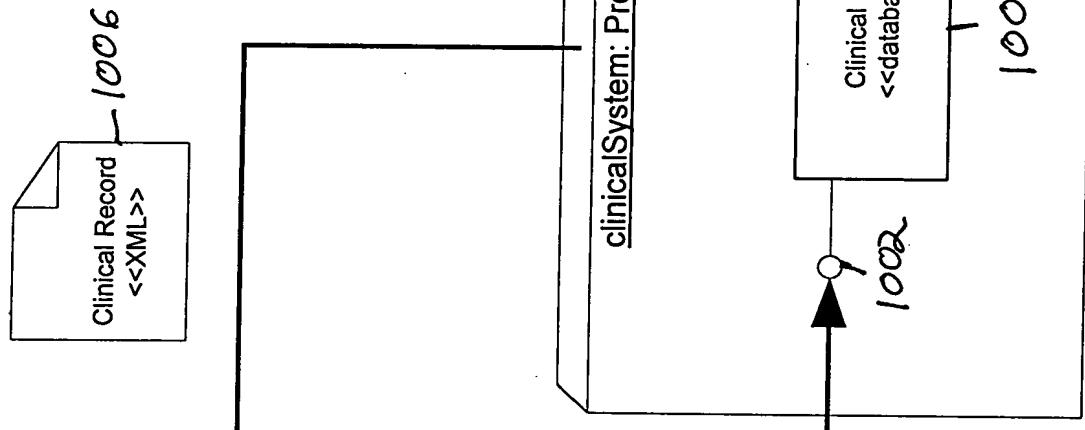
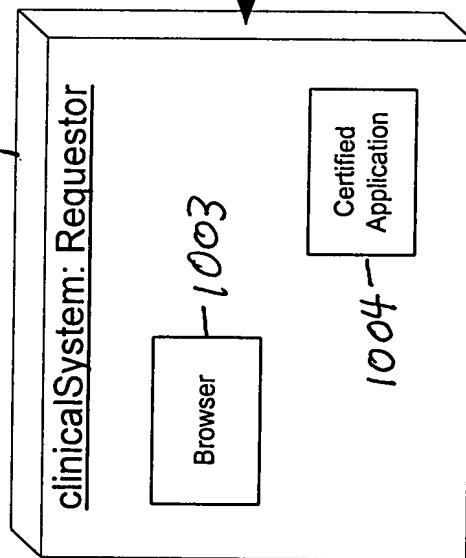


FIG. 10

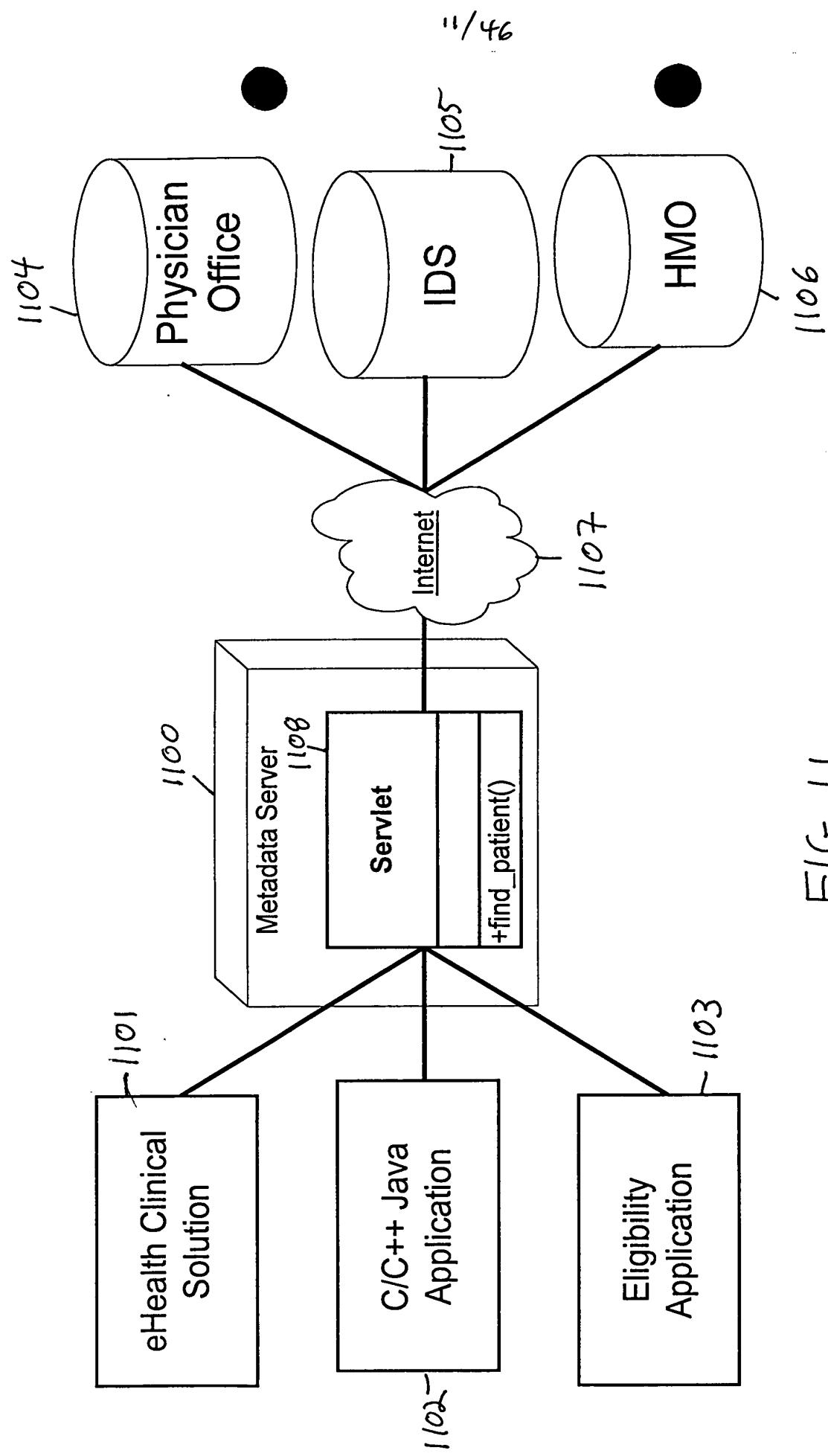


FIG. 11

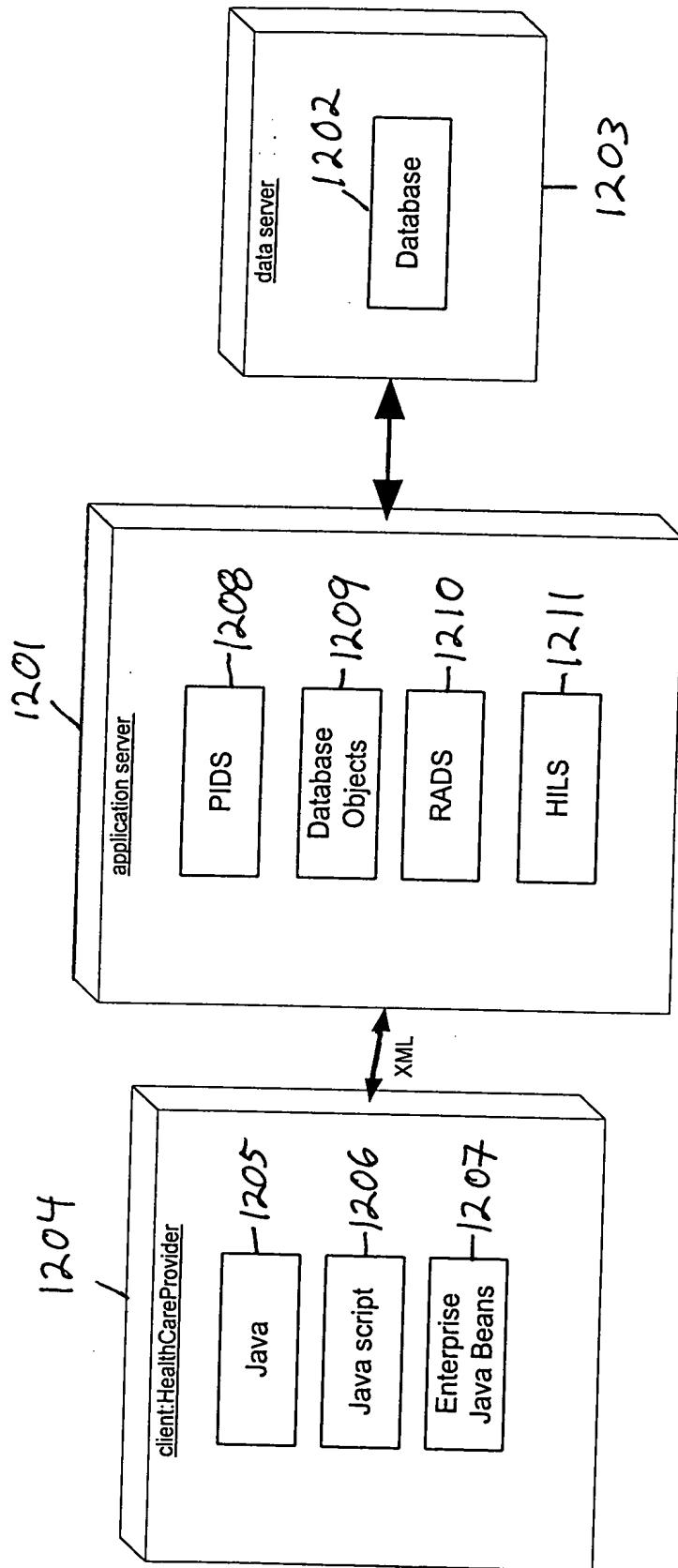


Fig. 12

1301 1302 1303 1304 1305 1306

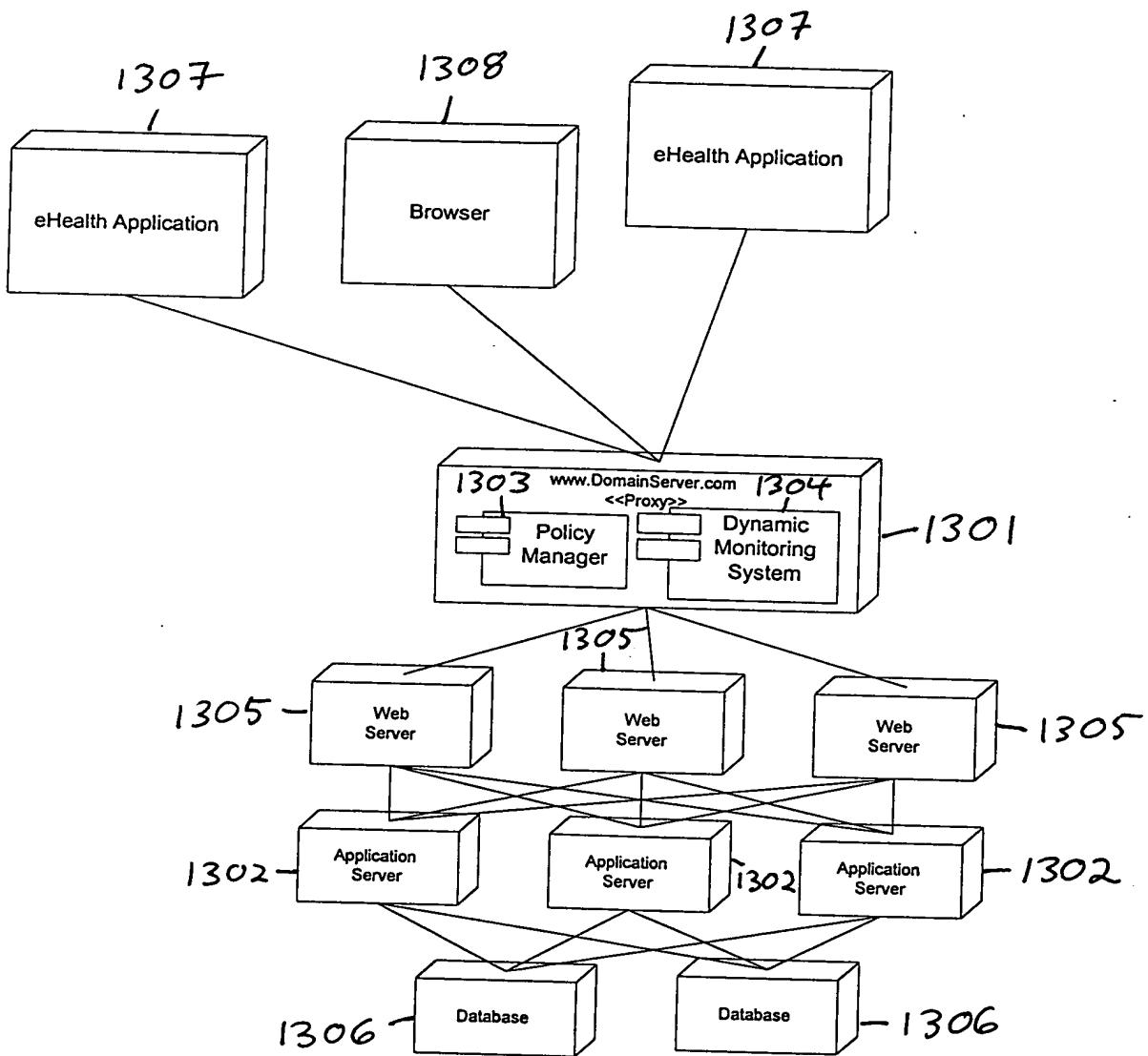
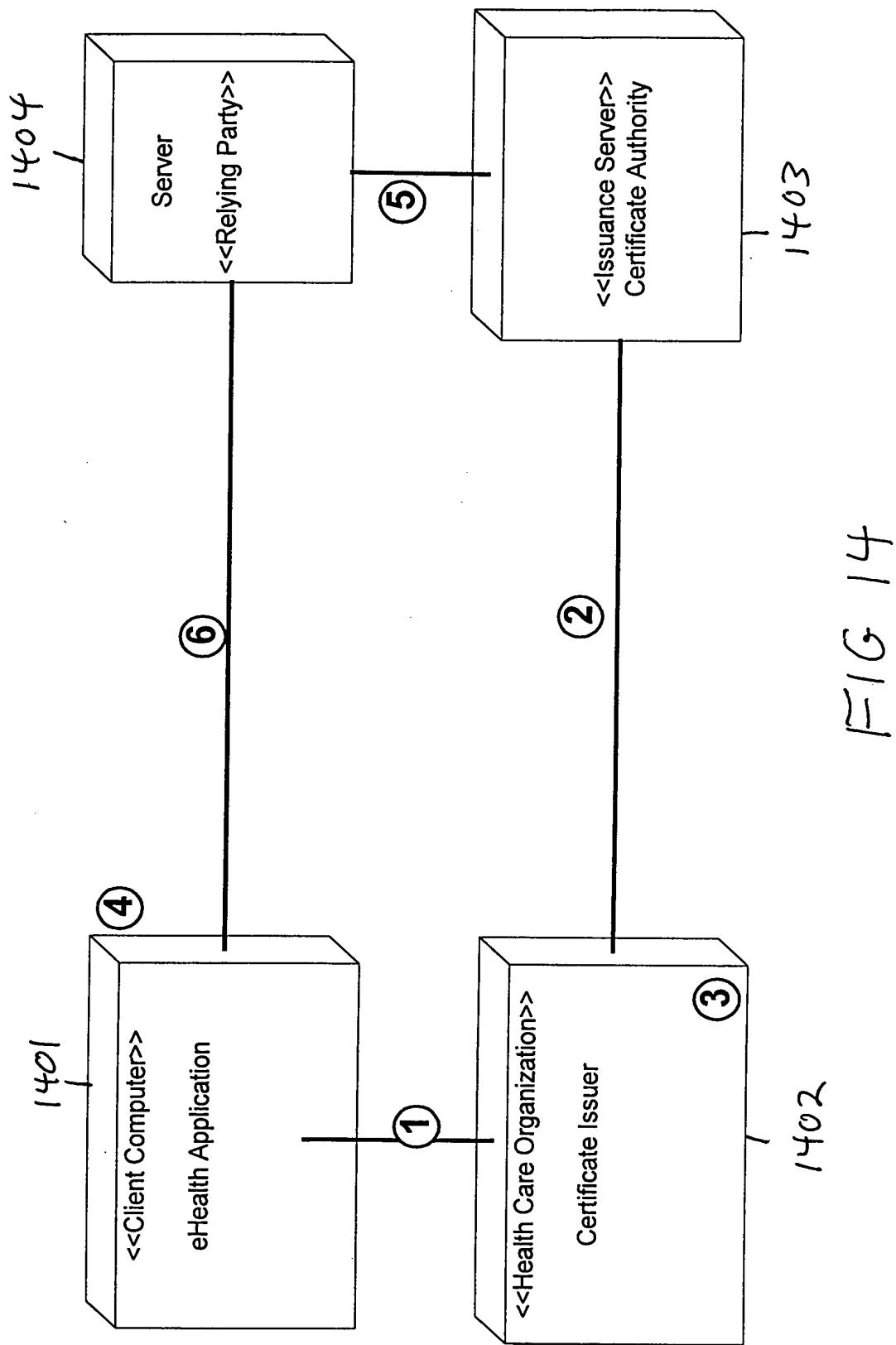
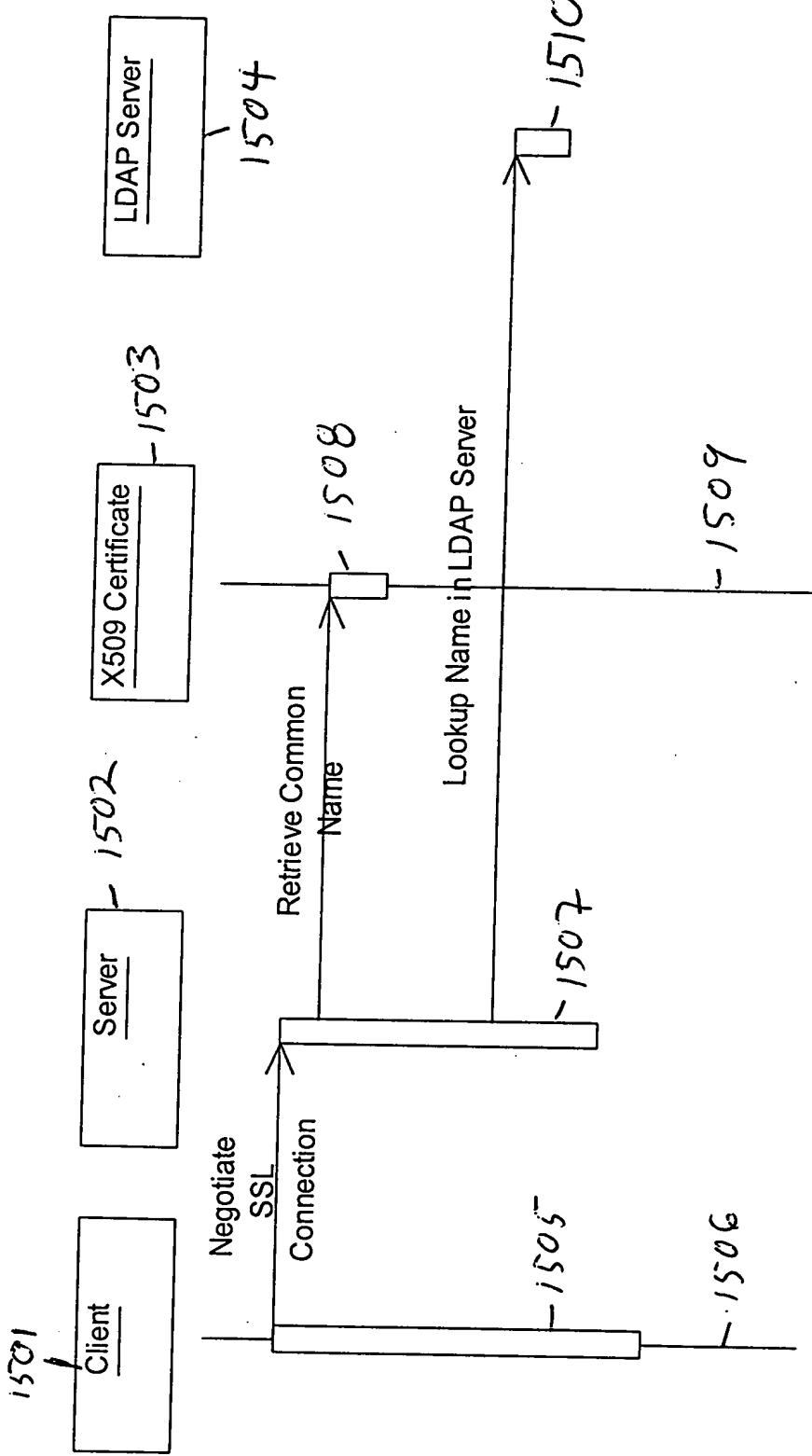
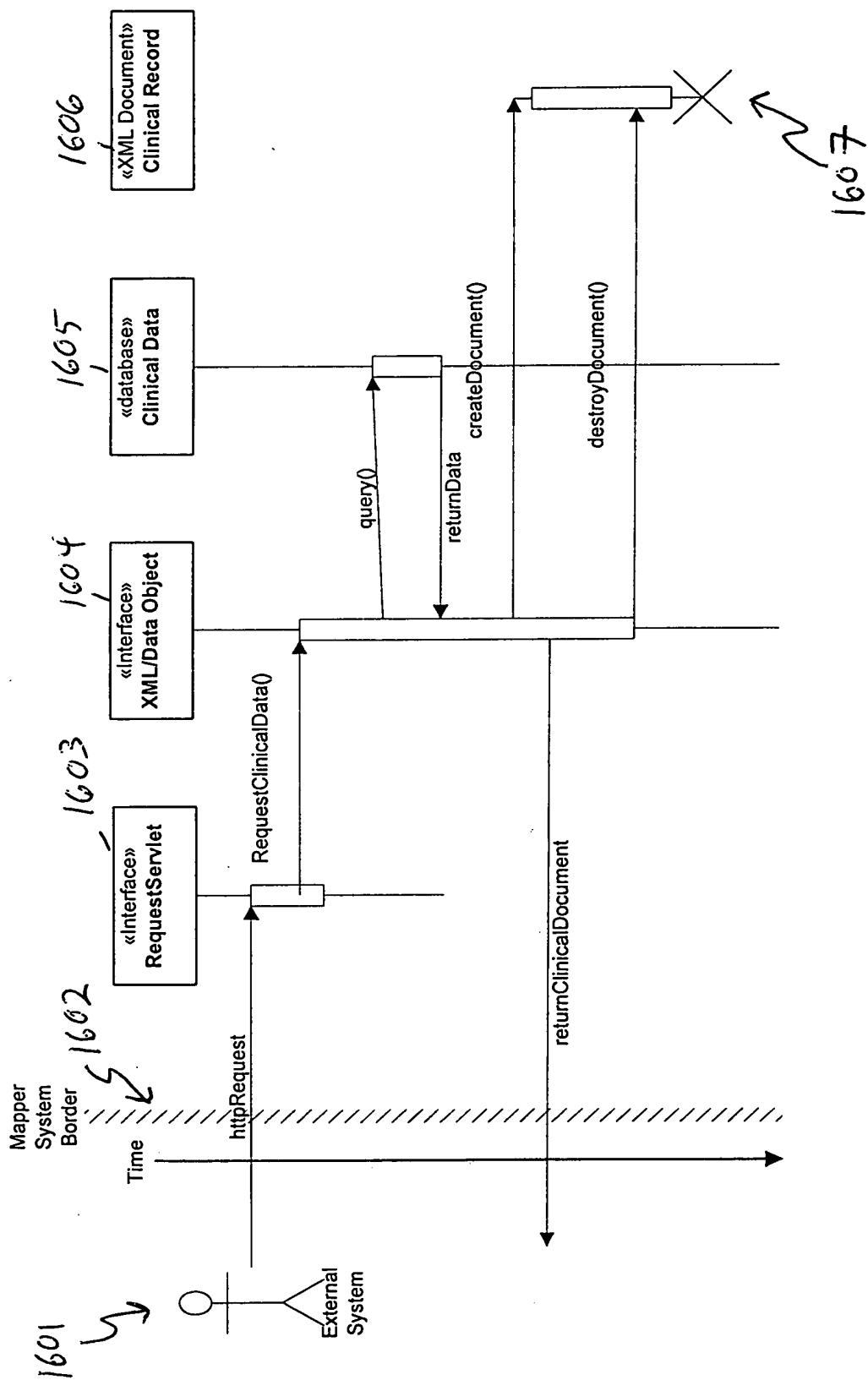


FIG. 13

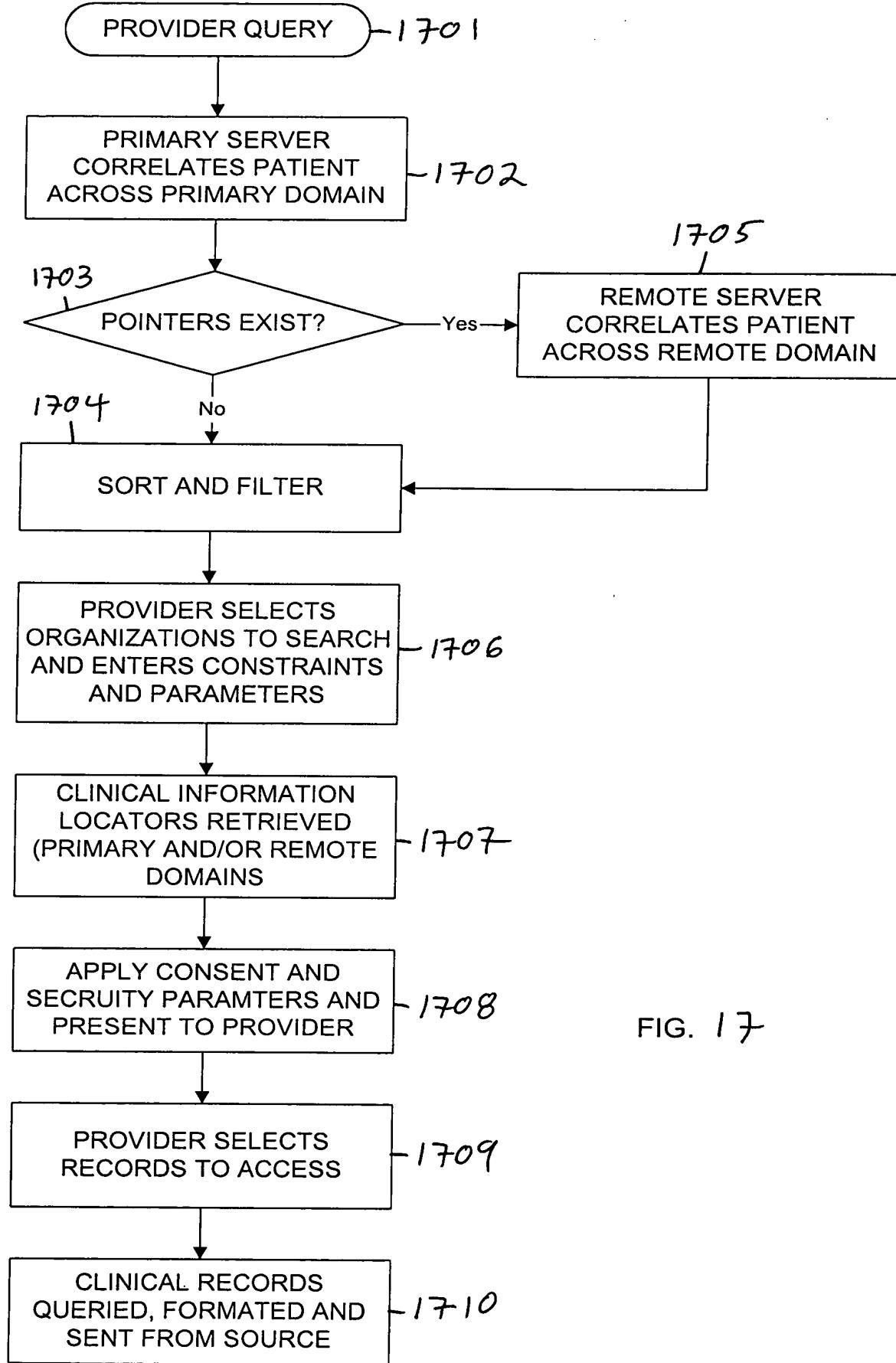




FIG, 15

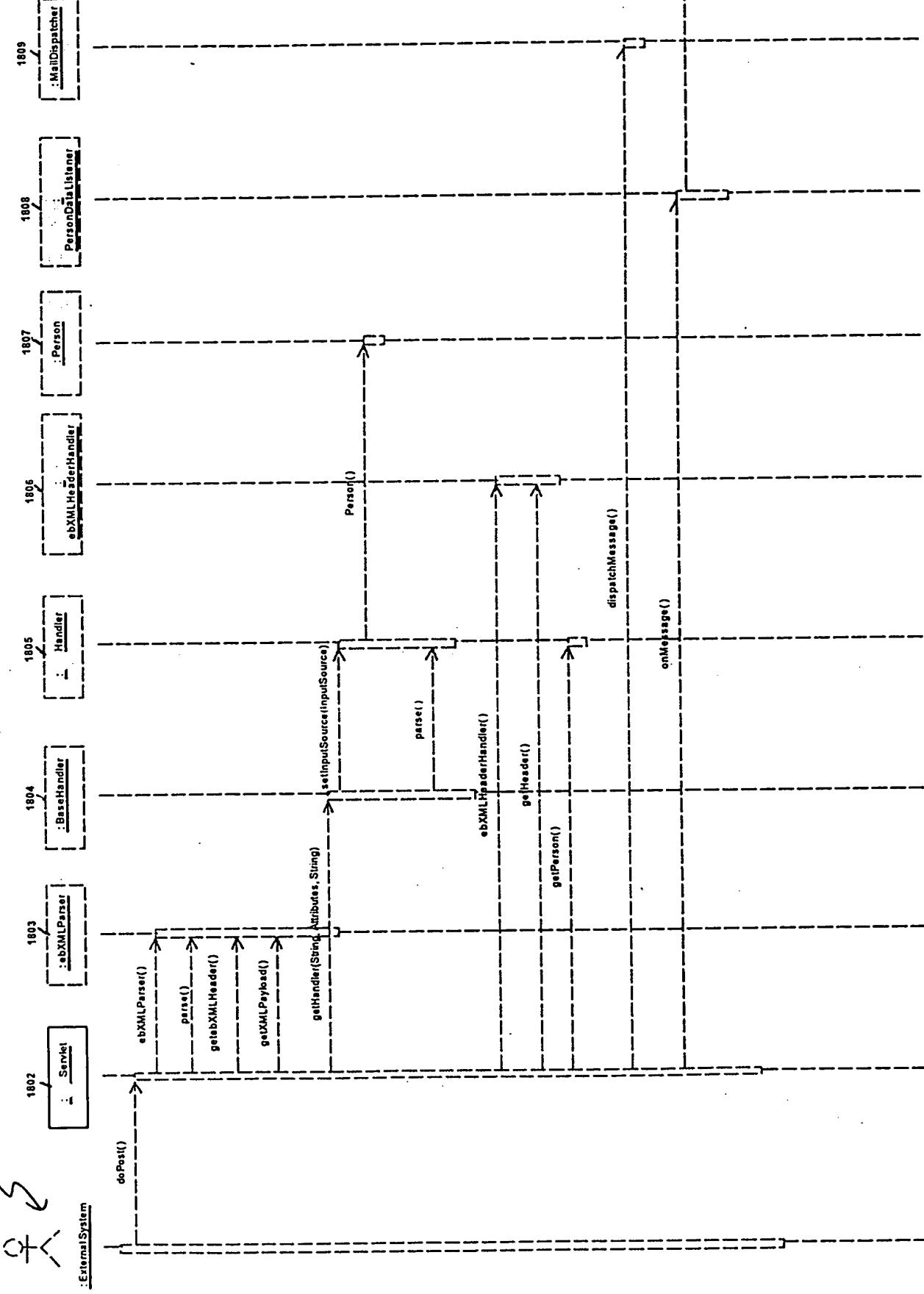


F16. 16



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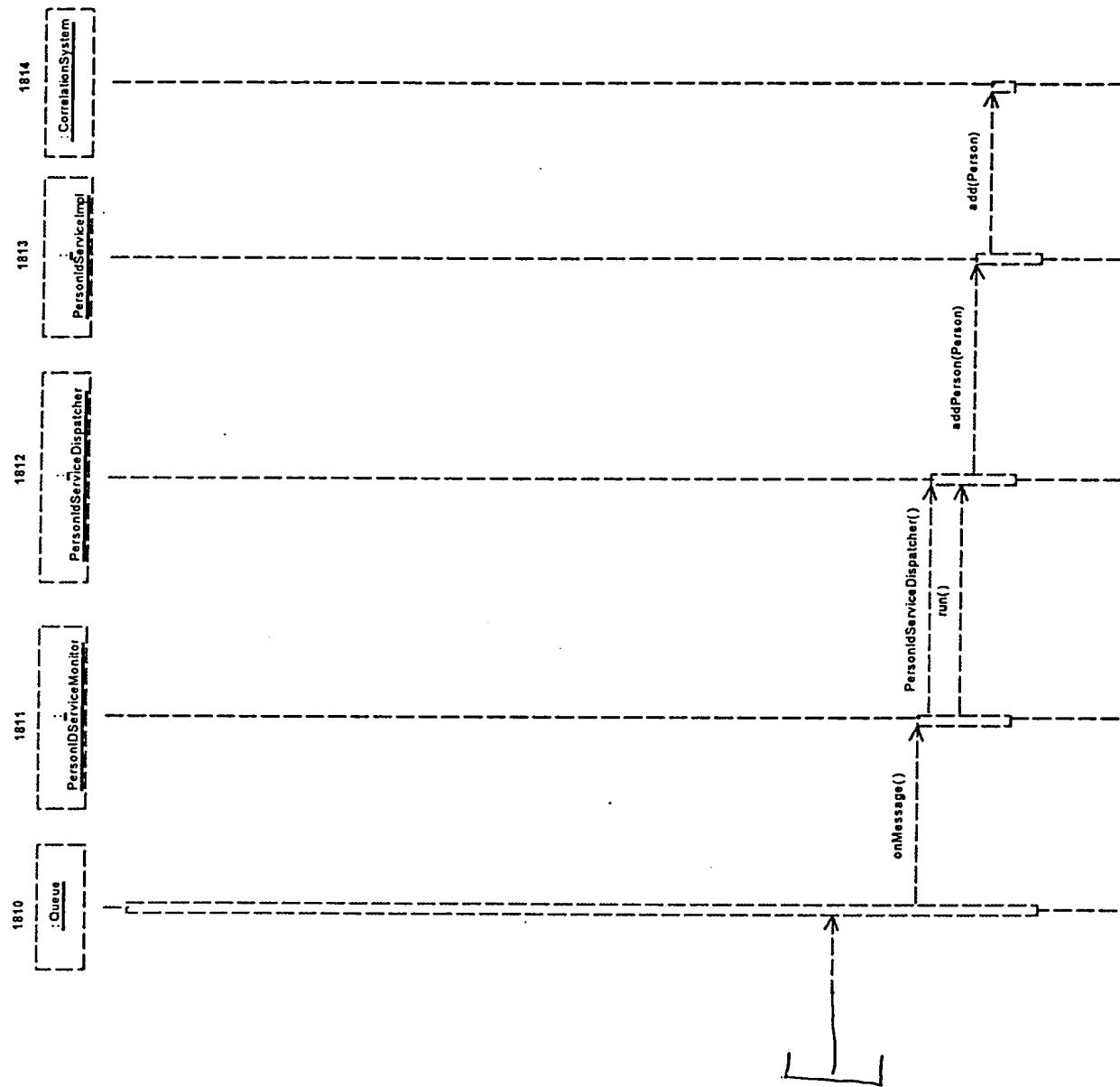
1801



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Fig 10-17

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F16. 18-B

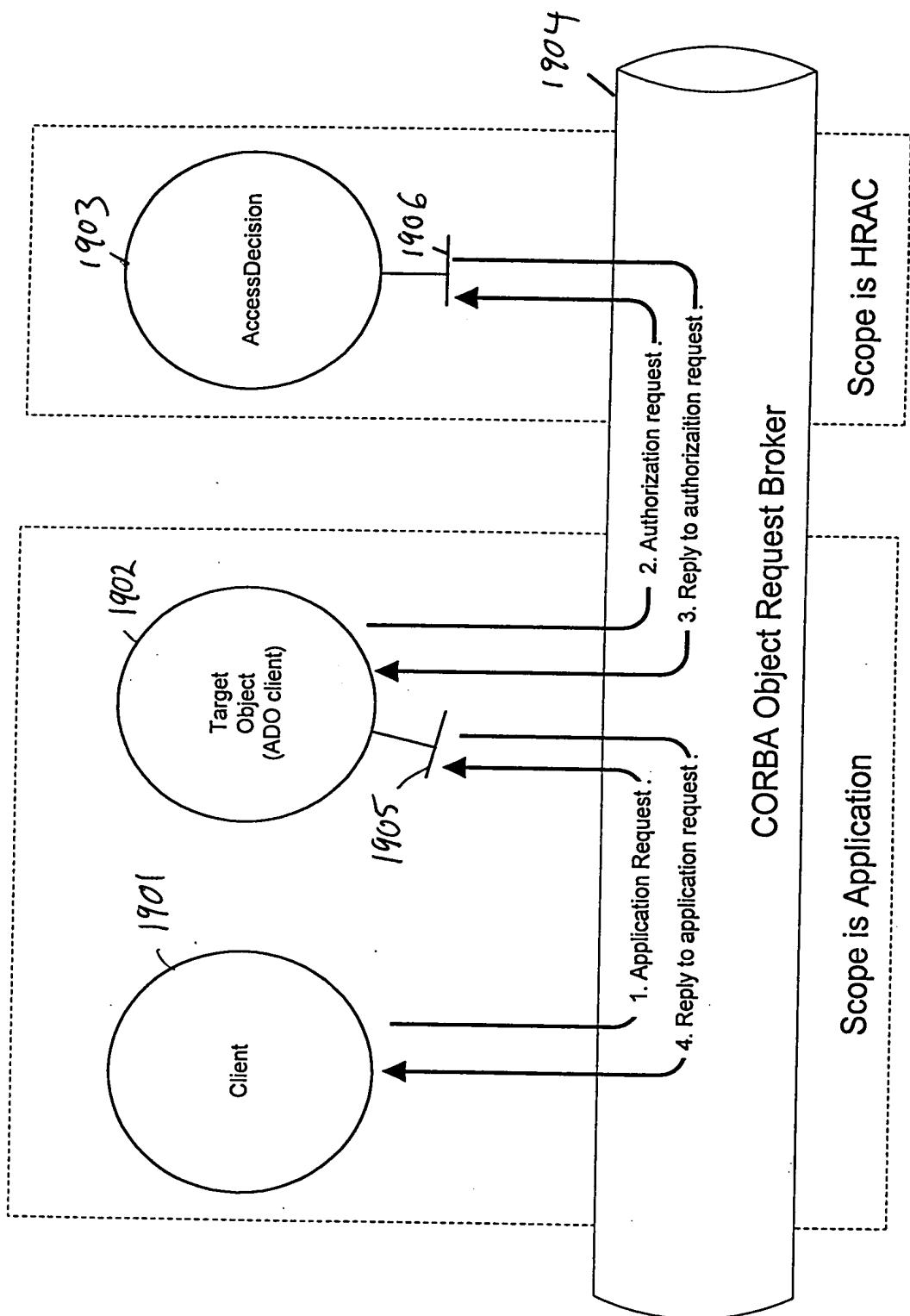


FIG. 19

2000-2009-2010-2011-2012-2013-2014-2015-2016-2017-2018-2019-2020

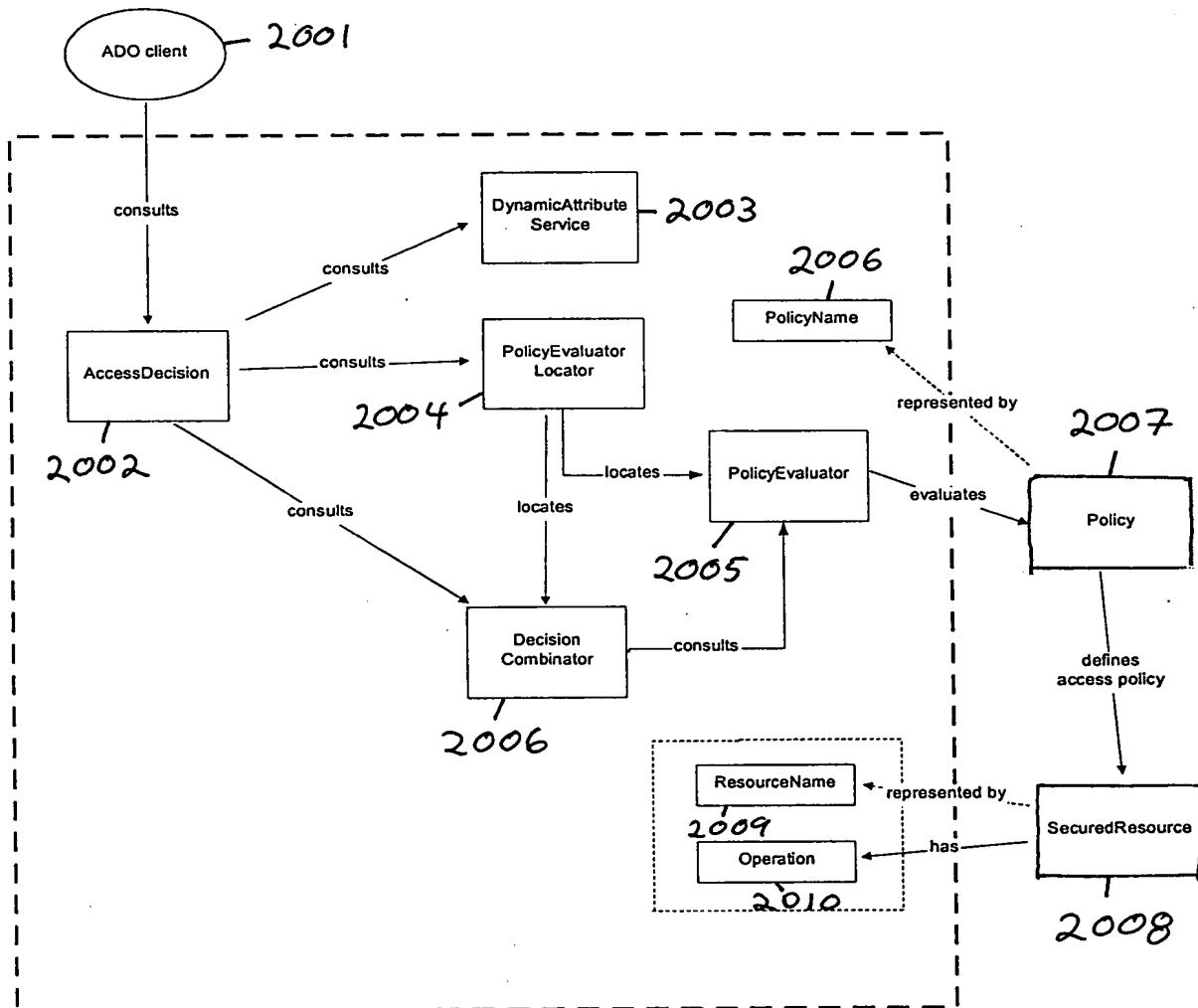


FIG. 20

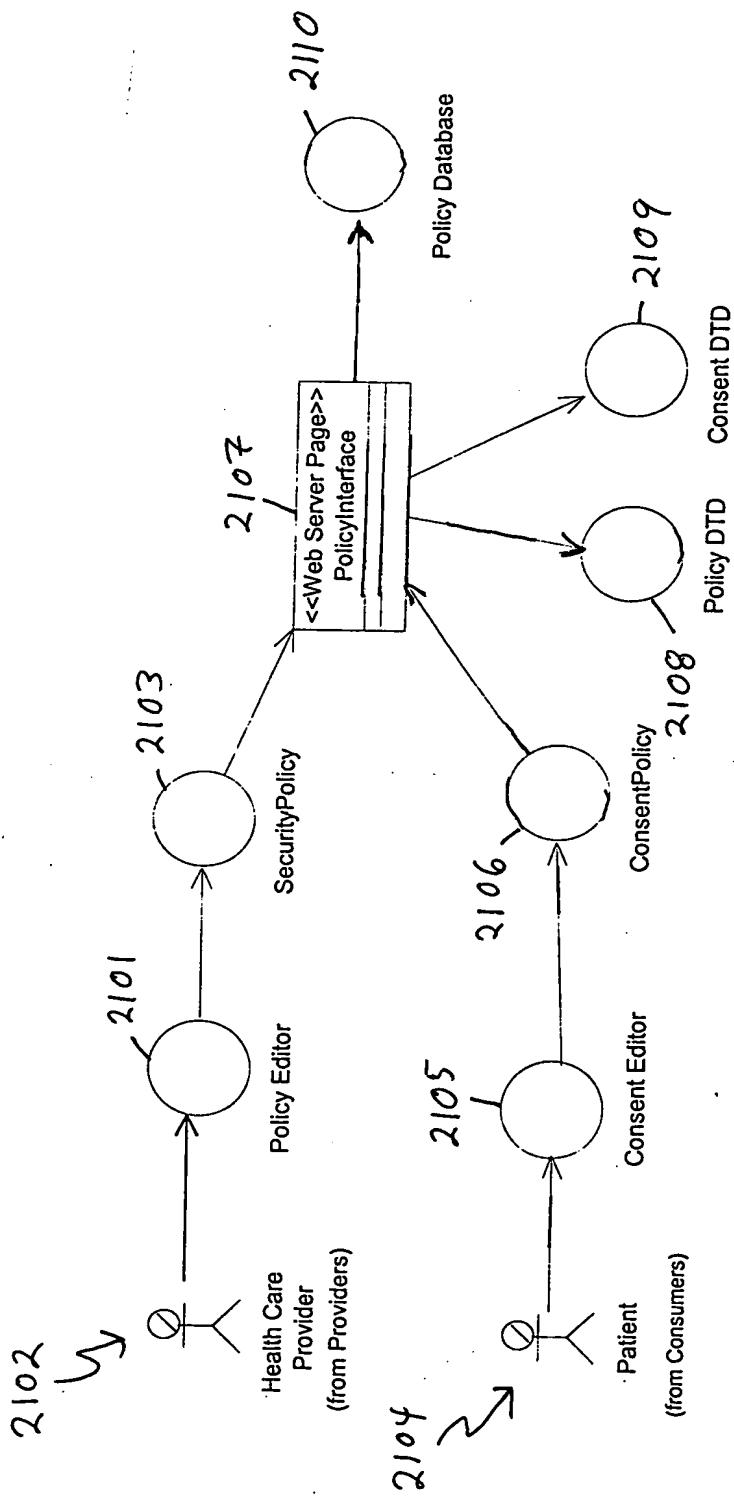


FIG. 21

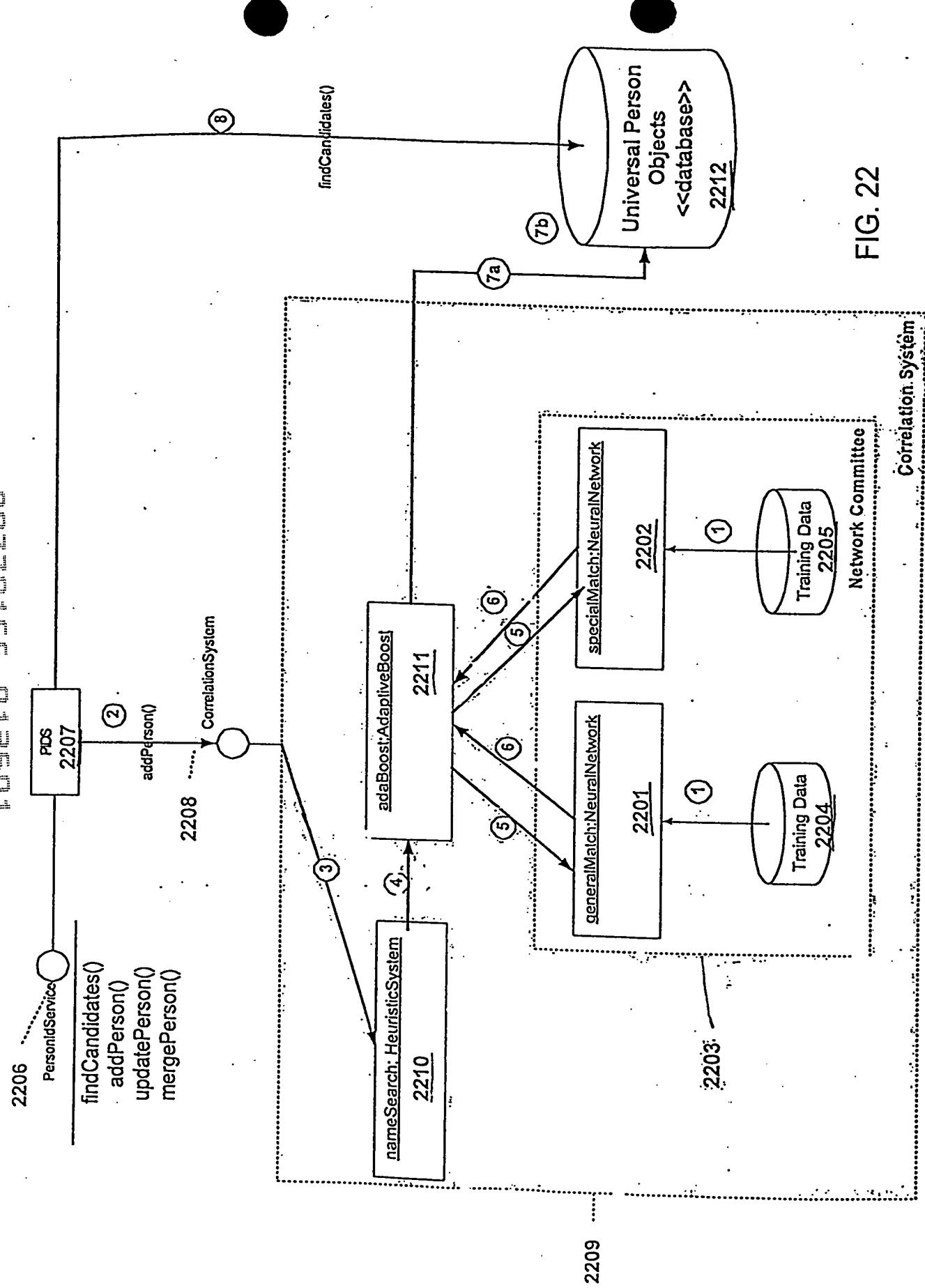


FIG. 22

Correlation System

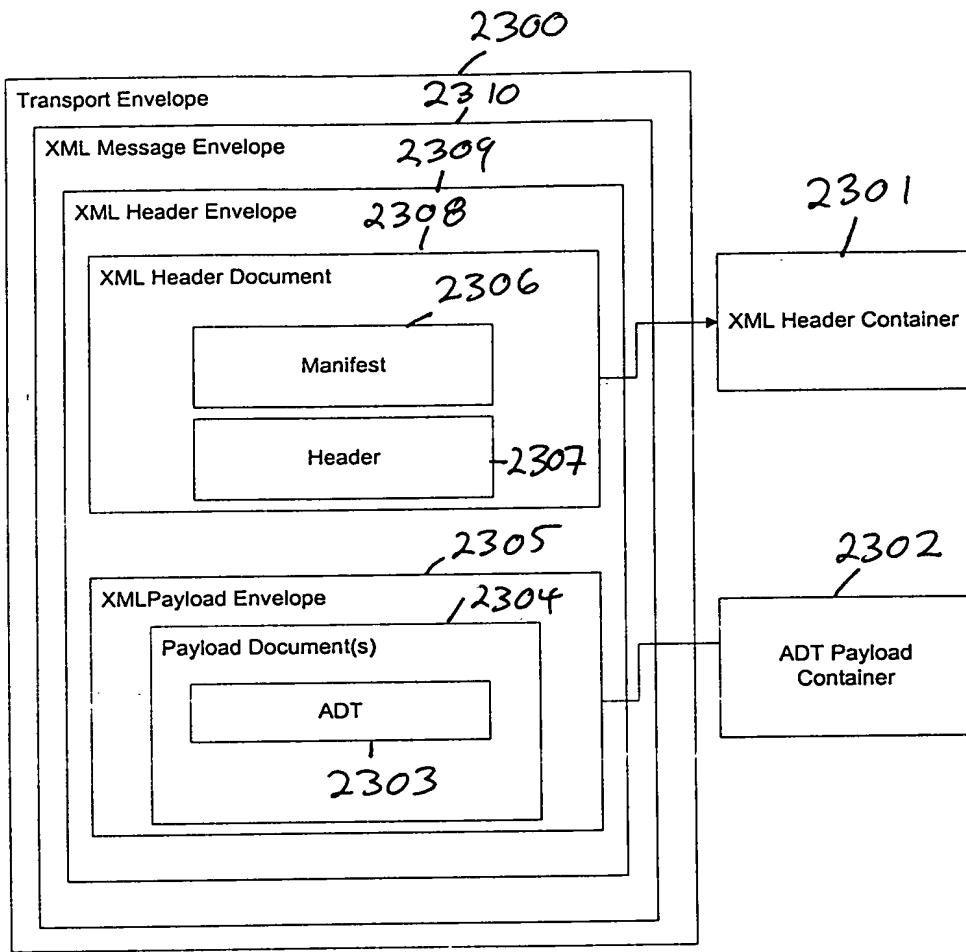


FIG. 23

```

<?xml version ="1.0"?> <schema xmlns = "http://www.w3.org/ 1999/XMLSchema">
<!ELEMENT ebXMLHeader (Manifest , Header )>
<!ATTLIST ebXMLHeader Version CDATA #FIXED '1.0'
MessageType CDATA #FIXED 'Normal' >
<!ELEMENT Manifest (DocumentReference )+>
<!ELEMENT DocumentReference (Document Description?, DocumentLabel , DocumentId )>
<!ELEMENT DocumentDescription (#PCDATA )>
<!ATTLIST DocumentDescription e-dtype NMTOKEN #FIXED 'string' >
<!ELEMENT DocumentLabel (#PCDATA )>
<!ATTLIST DocumentLabel e-dtype NMTOKEN #FIXED 'string' >
<!ELEMENT DocumentId (#PCDATA )>
<!ATTLIST DocumentId e-dtype NMTOKEN #FIXED 'uri' >
<!ELEMENT Header (From , To , TPAInfo , MessageData , ReliableMessagingInfo )>
<!ELEMENT TPAInfo (TPAId , ConversationId , ServiceInterface , Action )>
<!ELEMENT ServiceInterface (#PCDATA )>
<!ATTLIST ServiceInterface e-dtype NMTOKEN #FIXED 'string' >
<!ELEMENT Action (#PCDATA )>
<!ATTLIST Action e-dtype NMTOKEN #FIXED 'string' >
<!ELEMENT TPAId (#PCDATA )>
<!ATTLIST TPAId context CDATA 'Undefined'
e-dtype NMTOKEN #FIXED 'uri' >
<!ELEMENT ConversationId (#PCDATA )>
<!ATTLIST ConversationId context CDATA 'Undefined'
e-dtype NMTOKEN #FIXED 'uri' >
<!ELEMENT MessageData (MessageId , TimeStamp , RefToMessageId )>
<!ELEMENT RefToMessageId (#PCDATA )>
<!ATTLIST RefToMessageId e-dtype NMTOKEN #FIXED 'uuid' >
<!ELEMENT MessageId (#PCDATA )>
<!ATTLIST MessageId e-dtype NMTOKEN #FIXED 'uuid' >
<!ELEMENT From (PartyId )>
<!ELEMENT To (PartyId )>
<!ELEMENT PartyId (#PCDATA )>
<!ATTLIST PartyId context CDATA 'Undefined'
e-dtype NMTOKEN #FIXED 'uri' >
<!ELEMENT ReliableMessagingInfo EMPTY>
<!ATTLIST ReliableMessagingInfo DeliverySemantics (OnceAndOnlyOnce | BestEffort )
#FIXED 'BestEffort' >
<!ELEMENT RoutingHeader (SenderURI , ReceiverURI , ErrorURI, Timestamp,
SequenceNumber )> <!ELEMENT SenderURI (#PCDATA )>
<!ATTLIST SenderURI e-dtype NMTOKEN #FIXED 'uri' >
<!ELEMENT ReceiverURI (#PCDATA )>
<!ATTLIST ReceiverURI e-dtype NMTOKEN #FIXED 'uri' >
<!ELEMENT ErrorURI (#PCDATA )>
<!ATTLIST ErrorURI e-dtype NMTOKEN #FIXED 'uri' >
<!ELEMENT TimeStamp (#PCDATA )>
<!ATTLIST TimeStamp e-dtype NMTOKEN #FIXED 'dateTime' >
<!ELEMENT SequenceNumber (#PCDATA )>

```

```

<!-- Include HL7 Version 2.3.1 datatypes specification -->
<!ENTITY % HL7V231-datatypes PUBLIC "-//HL7//DTD HL7 V2.3.1 datatype
definitions//EN" "datatypes.dtd">
%HL7V231-datatypes;
<!-- Message declaration -->
<!ENTITY % ADT_A08.CONTENT "(MSH, EVN, PID)">
<!ELEMENT ADT_A08 %ADT_A08.CONTENT;>
<!-- Segment declarations -->
<!ENTITY % EVN.CONTENT "(EVN.1?, EVN.2, EVN.4?, EVN.7?)">
<!ELEMENT EVN %EVN.CONTENT;>
<!ENTITY % MSH.CONTENT "(MSH.1, MSH.2, MSH.3?, MSH.4?, MSH.5?, MSH.6?, MSH.7, MSH.8?, MSH.
9, MSH.10, MSH.11, MSH.12, MSH.13?, MSH.14?, MSH.15?, MSH.16?)">
<!ELEMENT MSH %MSH.CONTENT;>
<!ENTITY % PID.CONTENT "(PID.3+, PID.5+, PID.6*, PID.7?, PID.8?, PID.9*, PID.10*, PID.11*
, PID.12?, PID.13*, PID.14*, PID.16?, PID.17?, PID.19?, PID.20?, PI
D.22*, PID.23?, PID.28?)">
<!ELEMENT PID %PID.CONTENT;>
<!-- Field declarations -->
<!-- EVN field declarations -->
<!ELEMENT EVN.1 %EVN.1.CONTENT;>
<!ENTITY % EVN.1.ATTRIBUTES "Item CDATA #FIXED '99'
Table CDATA #FIXED '3'
LongName CDATA #FIXED 'Event Type Code'
Type CDATA #FIXED 'ID'">
<!ATTLIST EVN.1 %EVN.1.ATTRIBUTES; >
<!ENTITY % EVN.2.CONTENT "%TS;">
<!ELEMENT EVN.2 %EVN.2.CONTENT;>
<!ENTITY % EVN.2.ATTRIBUTES "Item CDATA #FIXED '100'
Table CDATA #FIXED '0'
LongName CDATA #FIXED 'Recorded Date/Time'
Type CDATA #FIXED 'TS'">
<!ATTLIST EVN.2 %EVN.2.ATTRIBUTES; >
<!ENTITY % EVN.4.CONTENT "%IS;">
<!ELEMENT EVN.4 %EVN.4.CONTENT;>
<!ENTITY % EVN.4.ATTRIBUTES "Item CDATA #FIXED '102'
Table CDATA #FIXED '62'
LongName CDATA #FIXED 'Event Reason Code'
Type CDATA #FIXED 'IS'">
<!ATTLIST EVN.4 %EVN.4.ATTRIBUTES; >
<!ENTITY % EVN.7.CONTENT "%HD;">
<!ELEMENT EVN.7 %EVN.7.CONTENT;>
<!ENTITY % EVN.7.ATTRIBUTES "Item CDATA #FIXED '1534'
Table CDATA #FIXED '0'
LongName CDATA #FIXED Event Facility'
Type CDATA #FIXED 'HD'">
<!ATTLIST EVN.7 %EVN.7.ATTRIBUTES; >

```

FIG. 25-A

```

<!-- MSH field declarations -->
<!ENTITY % MSH.1.CONTENT "%ST;">
<!ELEMENT MSH.1 %MSH.1.CONTENT;*>
<!ENTITY % MSH.1.ATTRIBUTES "Item CDATA #FIXED '1'
Table CDATA #FIXED '0'
LongName CDATA #FIXED 'Field Separator'
Type CDATA #FIXED 'ST'">
<!ATTLIST MSH.1 %MSH.1.ATTRIBUTES; >
<!ENTITY % MSH.2 .CONTENT "%ST;">
<!ELEMENT MSH.2 %MSH.2.CONTENT;*>
<!ENTITY % MSH.2.ATTRIBUTES "Item CDATA #FIXED '2'
Table CDATA #FIXED '0'
LongName CDATA #FIXED 'Encoding Characters'
Type CDATA #FIXED 'ST'">
<!ATTLIST MSH.2 %MSH.2.ATTRIBUTES; >
<!ENTITY % MSH.3.CONTENT "%HD;">
<!ELEMENT MSH.3 %MSH.3.CONTENT;*>
<!ENTITY % MSH.3.ATTRIBUTES "Item CDATA #FIXED '3'
Table CDATA #FIXED '361'
LongName CDATA #FIXED 'Sending Application'
Type CDATA #FIXED 'HD'">
<!ATTLIST MSH.3 %MSH.3.ATTRIBUTES; >
<!ENTITY % MSH.4.CONTENT "%HD;">
<!ELEMENT MSH.4 %MSH.4.CONTENT;*>
<!ENTITY % MSH.4.ATTRIBUTES "Item CDATA #FIXED '4'
Table CDATA #FIXED '362'
LongName CDATA #FIXED 'Sending Facility'
Type CDATA #FIXED 'HD'">
<!ATTLIST MSH.4 %MSH.4.ATTRIBUTES; >
<!ENTITY % MSH.5.CONTENT "%HD;">
<!ELEMENT MSH.5 %MSH.5.CONTENT;*>
<!ENTITY % MSH.5.ATTRIBUTES "Item CDATA #FIXED '5'
Table CDATA #FIXED '361'
LongName CDATA #FIXED 'Receiving Application'
Type CDATA #FIXED 'HD'">
<!ATTLIST MSH.5 %MSH.5.ATTRIBUTES; >
<!ENTITY % MSH.6.CONTENT "%HD;">
<!ELEMENT MSH.6 %MSH.6.CONTENT;*>
<!ENTITY % MSH.6.ATTRIBUTES "Item CDATA #FIXED '6'
Table CDATA #FIXED '362'
LongName CDATA #FIXED 'Receiving Facility'
Type CDATA #FIXED 'HD'">
<!ATTLIST MSH.6 %MSH.6.ATTRIBUTES; >
<!ENTITY % MSH.7.CONTENT "%TS;">
<!ELEMENT MSH.7 %MSH.7.CONTENT;*>

```

FIG. 25-B

```

<!ENTITY % MSH.7.ATTRIBUTES "Item CDATA #FIXED '7'
Table CDATA #FIXED '0'
LongName CDATA #FIXED 'Date/Time Of Message'
Type CDATA #FIXED 'TS'>
<!ATTLIST MSH.7 %MSH.7.ATTRIBUTES; >
<!ENTITY % MSH.8.CONTENT "%ST;">
<!ELEMENT MSH.8 %MSH.8.CONTENT;>
<!ENTITY % MSH.8.ATTRIBUTES "Item CDATA #FIXED '8'
Table CDATA #FIXED '0'
LongName CDATA #FIXED 'Security'
Type CDATA #FIXED 'ST'>
<!ATTLIST MSH.8 %MSH.8.ATTRIBUTES; >
<!ENTITY % MSH.9.CONTENT "%CM_MSG_TYPE;">
<!ELEMENT MSH.9 %MSH.9.CONTENT;>
<!ENTITY % MSH.9.ATTRIBUTES "Item CDATA #FIXED '9'
Table CDATA #FIXED '76'
LongName CDATA #FIXED 'Message Type'
Type CDATA #FIXED 'CM_MSG_TYPE'">
<!ATTLIST MSH.9 %MSH.9.ATTRIBUTES; >
<!ENTITY % MSH.10.CONTENT "%ST;">
<!ELEMENT MSH.10 %MSH.10.CONTENT;>
<!ENTITY % MSH.10.ATTRIBUTES "Item CDATA #FIXED '10'
Table CDATA #FIXED '0'
LongName CDATA #FIXED 'Message Control ID'
Type CDATA #FIXED 'ST'>
<!ATTLIST MSH.10 %MSH.10.ATTRIBUTES; >
<!ENTITY % MSH.11.CONTENT "%PT;">
<!ELEMENT MSH.11 %MSH.11.CONTENT;>
<!ENTITY % MSH.11.ATTRIBUTES "Item CDATA #FIXED '11'
Table CDATA #FIXED '0'
LongName CDATA #FIXED 'Processing ID'
Type CDATA #FIXED 'PT'>
<!ATTLIST MSH.11 %MSH.11.ATTRIBUTES; >
<!ENTITY % MSH.12.CONTENT "%VID;">
<!ELEMENT MSH.12 %MSH.12.CONTENT;>
<!ENTITY % MSH.12.ATTRIBUTES "Item CDATA #FIXED '12'
Table CDATA #FIXED '104'
LongName CDATA #FIXED 'Version ID'
Type CDATA #FIXED 'VID'">
<!ATTLIST MSH.12 %MSH.12.ATTRIBUTES; >
<!ENTITY % MSH.13.CONTENT "%NM;">
<!ELEMENT MSH.13 %MSH.13.CONTENT;>
<!ENTITY % MSH.13.ATTRIBUTES "Item CDATA #FIXED '13'
Table CDATA #FIXED '0'
LongName CDATA #FIXED 'Sequence Number'

```

FIG. 25-C

```

Type CDATA #FIXED 'NM' >
<!ATTLIST MSH.13  %MSH.13.ATTRIBUTES; >
<!ENTITY % MSH.14.CONTENT "%ST;" >
<!ELEMENT MSH.14  %MSH.14.CONTENT; >
<!ENTITY % MSH.14.ATTRIBUTES "Item CDATA #FIXED '14'
Table CDATA #FIXED '0'
LongName CDATA #FIXED 'Continuation Pointer'
Type CDATA #FIXED 'ST' >
<!ATTLIST MSH.14  %MSH.14.ATTRIBUTES; >
<!ENTITY % MSH.15.CONTENT "%ID;" >
<!ELEMENT MSH.15  %MSH.15.CONTENT; >
<!ENTITY % MSH.15.ATTRIBUTES "Item CDATA #FIXED '15'
Table CDATA #FIXED '155'
LongName CDATA #FIXED 'Accept Acknowledgment Type'
Type CDATA #FIXED 'ID' >
<!ATTLIST MSH.15  %MSH.15.ATTRIBUTES; >
<!ENTITY % MSH.16.CONTENT "%ID;" >
<!ELEMENT MSH.16  %MSH.16.CONTENT; >
<!ENTITY % MSH.16.ATTRIBUTES "Item CDATA #FIXED '16'
Table CDATA #FIXED '155'
LongName CDATA #FIXED 'Application Acknowledgment Type'
Type CDATA #FIXED 'ID' >
<!ATTLIST MSH.16  %MSH.16.ATTRIBUTES; >
<!-- PID Field declarations -->
<!ENTITY % PID.3.CONTENT "%CX;" >
<!ELEMENT PID.3  %PID.3.CONTENT; >
<!ENTITY % PID.3.ATTRIBUTES "Item CDATA #FIXED '106'
Table CDATA #FIXED '0'
LongName CDATA #FIXED 'Patient Identifier List'
Type CDATA #FIXED 'CX' >
<!ATTLIST PID.3  %PID.3.ATTRIBUTES; >
<!ENTITY % PID.5.CONTENT "%XPN;" >
<!ELEMENT PID.5  %PID.5.CONTENT; >
<!ENTITY % PID.5.ATTRIBUTES "Item CDATA #FIXED '108'
Table CDATA #FIXED '0'
LongName CDATA #FIXED 'Patient Name'
Type CDATA #FIXED 'XPN' >
<!ATTLIST PID.5  %PID.5.ATTRIBUTES; >
<!ENTITY % PID.6.CONTENT "%XPN;" >
<!ELEMENT PID.6  %PID.6.CONTENT; >
<!ENTITY % PID.6.ATTRIBUTES "Item CDATA #FIXED '109'
Table CDATA #FIXED '0'
LongName CDATA #FIXED 'Mother's Maiden Name'
Type CDATA #FIXED 'XPN' >
<!ATTLIST PID.6  %PID.6.ATTRIBUTES; >

```

FIG. 25-D

```

<!ENTITY % PID.7.CONTENT "TS;">
<!ELEMENT PID.7 %PID.7.CONTENT;*>
<!ENTITY % PID.7.ATTRIBUTES "Item CDATA #FIXED '110'
Table CDATA #FIXED '0'
LongName CDATA #FIXED 'Date/Time Of Birth'
Type CDATA #FIXED 'TS'">
<!ATTLIST PID.7 %PID.7.ATTRIBUTES; >
<!ENTITY % PID.8.CONTENT "%IS;">
<!ELEMENT PID.8 %PID.8.CONTENT;*>
<!ENTITY % PID.8.ATTRIBUTES "Item CDATA #FIXED '111'
Table CDATA #FIXED '1'
LongName CDATA #FIXED 'Administrative Sex'
Type CDATA #FIXED 'IS'">
<!ATTLIST PID.8 %PID.8.ATTRIBUTES; >
<!ENTITY % PID.9.CONTENT "%XPN;">
<!ELEMENT PID.9 %PID.9.CONTENT;*>
<!ENTITY % PID.9.ATTRIBUTES "Item CDATA #FIXED '112'
Table CDATA #FIXED '0'
LongName CDATA #FIXED 'Patient Alias'
Type CDATA #FIXED 'XPN'">
<!ATTLIST PID.9 %PID.9.ATTRIBUTES; >
<!ENTITY % PID.10.CONTENT "%CE;">
<!ELEMENT PID.10 %PID.10.CONTENT;*>
<!ENTITY % PID.10.ATTRIBUTES "Item CDATA #FIXED '113'
Table CDATA #FIXED '5'
LongName CDATA #FIXED 'Race'
Type CDATA #FIXED 'CE'">
<!ATTLIST PID.10 %PID.10.ATTRIBUTES; >
<!ENTITY % PID.11.CONTENT "%XAD;">
<!ELEMENT PID.11 %PID.11.CONTENT;*>
<!ENTITY % PID.11.ATTRIBUTES "Item CDATA #FIXED '114'
Table CDATA #FIXED '0'
LongName CDATA #FIXED 'Patient Address'
Type CDATA #FIXED 'XAD'">
<!ATTLIST PID.11 %PID.11.ATTRIBUTES; >
<!ENTITY % PID.12.CONTENT "%IS;">
<!ELEMENT PID.12 %PID.12.CONTENT;*>
<!ENTITY % PID.12.ATTRIBUTES "Item CDATA #FIXED '115'
Table CDATA #FIXED '289'
LongName CDATA #FIXED 'County Code'
Type CDATA #FIXED 'IS'">
<!ATTLIST PID.12 %PID.12.ATTRIBUTES; >
<!ENTITY % PID.13.CONTENT "%XTN;">
<!ELEMENT PID.13 %PID.13.CONTENT;*>
<!ENTITY % PID.13.ATTRIBUTES "Item CDATA #FIXED '116'

```

```

Table CDATA #FIXED '0'
LongName CDATA #FIXED 'Phone Number - Home'
Type CDATA #FIXED 'XTN'">
<!ATTLIST PID.13 %PID.13.ATTRIBUTES; >
<!ENTITY % PID.14.CONTENT "%XTN;">
<!ELEMENT PID.14 %PID.14.CONTENT;>
<!ENTITY % PID.14.ATTRIBUTES "Item CDATA #FIXED '117'
Table CDATA #FIXED '0'
LongName CDATA #FIXED 'Phone Number - Business'
Type CDATA #FIXED 'XTN'">
<!ATTLIST PID.14 %PID.14.ATTRIBUTES; >
<!ENTITY % PID.16.CONTENT "%CE;">
<!ELEMENT PID.16 %PID.16.CONTENT;>
<!ENTITY % PID.16.ATTRIBUTES "Item CDATA #FIXED '119'
Table CDATA #FIXED '2'
LongName CDATA #FIXED 'Marital Status'
Type CDATA #FIXED 'CE'">
<!ATTLIST PID.16 %PID.16.ATTRIBUTES; >
<!ENTITY % PID.17.CONTENT "%CE;">
<!ELEMENT PID.17 %PID.17.CONTENT;>
<!ENTITY % PID.17.ATTRIBUTES "Item CDATA #FIXED '120'
Table CDATA #FIXED '6'
LongName CDATA #FIXED 'Religion'
Type CDATA #FIXED 'CE'">
<!ATTLIST PID.17 %PID.17.ATTRIBUTES; >
<!ENTITY % PID.19.CONTENT "%ST;">
<!ELEMENT PID.19 %PID.19.CONTENT;>
<!ENTITY % PID.19.ATTRIBUTES "Item CDATA #FIXED '122'
Table CDATA #FIXED '0'
LongName CDATA #FIXED 'SSN Number - Patient'
Type CDATA #FIXED 'ST'">
<!ATTLIST PID.19 %PID.19.ATTRIBUTES; >
<!ENTITY % PID.20.CONTENT "%DLN;">
<!ELEMENT PID.20 %PID.20.CONTENT;>
<!ENTITY % PID.20.ATTRIBUTES "Item CDATA #FIXED '123'
Table CDATA #FIXED '0'
LongName CDATA #FIXED 'Driver's License Number - Patient'
Type CDATA #FIXED 'DLN'">
<!ATTLIST PID.20 %PID.20.ATTRIBUTES; >
<!ENTITY % PID.22.CONTENT "%CE;">
<!ELEMENT PID.22 %PID.22.CONTENT;>
<!ENTITY % PID.22.ATTRIBUTES "Item CDATA #FIXED '125'
Table CDATA #FIXED '189'
LongName CDATA #FIXED 'Ethnic Group'
Type CDATA #FIXED 'CE'">

```

FIG. 25-F

```
<!ATTLIST PID.22  %PID.22.ATTRIBUTES; >
<!ENTITY % PID.23.CONTENT "%ST;">
<!ELEMENT PID.23 %PID.23.CONTENT;>
<!ENTITY % PID.23.ATTRIBUTES "Item CDATA #FIXED '126'
Table CDATA #FIXED '0'
LongName CDATA #FIXED 'Birth Place'
Type CDATA #FIXED 'ST'">
<!ATTLIST PID.23  %PID.23.ATTRIBUTES; >
<!ENTITY % PID.28.CONTENT "%CE;">
<!ELEMENT PID.28 %PID.28.CONTENT;>
<!ENTITY % PID.28.ATTRIBUTES "Item CDATA #FIXED '739'
Table CDATA #FIXED '212'
LongName CDATA #FIXED 'Nationality'
Type CDATA #FIXED 'CE'">
<!ATTLIST PID.28  %PID.28.ATTRIBUTES; >
```

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```

<!-- Include HL7 Version 2.3.1 datatypes specification -->
<!ENTITY % HL7V231-datatYPES PUBLIC "-//HL7//DTD HL7 V2.3.1 datatype
definitions//EN" "datatypes.dtd">
%HL7V231-datatYPES;
<!-- Message declaration -->
<!ENTITY % ADT_A29.CONTENT "(MSH, EVN, PID)">
<!ELEMENT ADT_A29 %ADT_A29.CONTENT;>
<!-- Segment declarations -->
<!ENTITY % EVN.CONTENT "(EVN.1?, EVN.2, EVN.4?, EVN.7?)">
<!ELEMENT EVN %EVN.CONTENT;>
<!ENTITY % MSH.CONTENT "(MSH.1, MSH.2, MSH.3?, MSH.4?, MSH.5?, MSH.6?, MSH.7, MSH.8?, MSH.
9, MSH.10, MSH.11, MSH.12, MSH.13?, MSH.14?, MSH.15?, MSH.16?)">
<!ELEMENT MSH %MSH.CONTENT;>
<!ENTITY % PID.CONTENT "(PID.3+, PID.5+)">
<!ELEMENT PID %PID.CONTENT;>
<!-- Field declarations -->
<!-- EVN field declarations -->
<!ELEMENT EVN.1 %EVN.1.CONTENT;>
<!ENTITY % EVN.1.ATTRIBUTES "Item CDATA #FIXED '99'
Table CDATA #FIXED '3'
LongName CDATA #FIXED 'Event Type Code'
Type CDATA #FIXED 'ID'">
<!ATTLIST EVN.1 %EVN.1.ATTRIBUTES; >
<!ELEMENT EVN.2 %EVN.2.CONTENT;>
<!ENTITY % EVN.2.ATTRIBUTES "Item CDATA #FIXED '100'
Table CDATA #FIXED '0'
LongName CDATA #FIXED 'Recorded Date/Time'
Type CDATA #FIXED 'TS'">
<!ATTLIST EVN.2 %EVN.2.ATTRIBUTES; >
<!ELEMENT EVN.4 %EVN.4.CONTENT;>
<!ENTITY % EVN.4.ATTRIBUTES "Item CDATA #FIXED '102'
Table CDATA #FIXED '62'
LongName CDATA #FIXED 'Event Reason Code'
Type CDATA #FIXED 'IS'">
<!ATTLIST EVN.4 %EVN.4.ATTRIBUTES; >
<!ELEMENT EVN.7 %EVN.7.CONTENT;>
<!ENTITY % EVN.7.ATTRIBUTES "Item CDATA #FIXED '1534'
Table CDATA #FIXED '0'
LongName CDATA #FIXED Event Facility'
Type CDATA #FIXED 'HD'">
<!ATTLIST EVN.7 %EVN.7.ATTRIBUTES; >
<!-- MSH field declarations -->

```

FIG. 26-A

```

<!ENTITY % MSH.1.CONTENT "%ST;">
<!ELEMENT MSH.1 %MSH.1.CONTENT;*>
<!ENTITY % MSH.1.ATTRIBUTES "Item CDATA #FIXED '1'
  Table CDATA #FIXED '0'
  LongName CDATA #FIXED 'Field Separator'
  Type CDATA #FIXED 'ST'">
<!ATTLIST MSH.1 %MSH.1.ATTRIBUTES; >
<!ENTITY % MSH.2 .CONTENT "%ST;">
<!ELEMENT MSH.2 %MSH.2.CONTENT;*>
<!ENTITY % MSH.2.ATTRIBUTES "Item CDATA #FIXED '2'
  Table CDATA #FIXED '0'
  LongName CDATA #FIXED 'Encoding Characters'
  Type CDATA #FIXED 'ST'">
<!ATTLIST MSH.2 %MSH.2.ATTRIBUTES; >
<!ENTITY % MSH.3.CONTENT "%HD;">
<!ELEMENT MSH.3 %MSH.3.CONTENT;*>
<!ENTITY % MSH.3.ATTRIBUTES "Item CDATA #FIXED '3'
  Table CDATA #FIXED '361'
  LongName CDATA #FIXED 'Sending Application'
  Type CDATA #FIXED 'HD'">
<!ATTLIST MSH.3 %MSH.3.ATTRIBUTES; >
<!ENTITY % MSH.4.CONTENT "%HD;">
<!ELEMENT MSH.4 %MSH.4.CONTENT;*>
<!ENTITY % MSH.4.ATTRIBUTES "Item CDATA #FIXED '4'
  Table CDATA #FIXED '362'
  LongName CDATA #FIXED 'Sending Facility'
  Type CDATA #FIXED 'HD'">
<!ATTLIST MSH.4 %MSH.4.ATTRIBUTES; >
<!ENTITY % MSH.5.CONTENT "%HD;">
<!ELEMENT MSH.5 %MSH.5.CONTENT;*>
<!ENTITY % MSH.5.ATTRIBUTES "Item CDATA #FIXED '5'
  Table CDATA #FIXED '361'
  LongName CDATA #FIXED 'Receiving Application'
  Type CDATA #FIXED 'HD'">
<!ATTLIST MSH.5 %MSH.5.ATTRIBUTES; >
<!ENTITY % MSH.6.CONTENT "%HD;">
<!ELEMENT MSH.6 %MSH.6.CONTENT;*>
<!ENTITY % MSH.6.ATTRIBUTES "Item CDATA #FIXED '6'
  Table CDATA #FIXED '362'
  LongName CDATA #FIXED 'Receiving Facility'
  Type CDATA #FIXED 'HD'">
<!ATTLIST MSH.6 %MSH.6.ATTRIBUTES; >
<!ENTITY % MSH.7.CONTENT "%TS;">
<!ELEMENT MSH.7 %MSH.7.CONTENT;*>
<!ENTITY % MSH.7.ATTRIBUTES "Item CDATA #FIXED '7'

```

FIG. 26-B

```

Table CDATA #FIXED '0'
  LongName CDATA #FIXED 'Date/Time Of Message'
  Type CDATA #FIXED 'TS'">
<!ATTLIST MSH.7  %MSH.7.ATTRIBUTES; >
<!ENTITY % MSH.8.CONTENT "%ST;">
<!ELEMENT MSH.8 %MSH.8.CONTENT;>
<!ENTITY % MSH.8.ATTRIBUTES "Item CDATA #FIXED '8'
  Table CDATA #FIXED '0'
  LongName CDATA #FIXED 'Security'
  Type CDATA #FIXED 'ST'">
<!ATTLIST MSH.8  %MSH.8.ATTRIBUTES; >
<!ENTITY % MSH.9.CONTENT "%CM_MSG_TYPE;">
<!ELEMENT MSH.9 %MSH.9.CONTENT;>
<!ENTITY % MSH.9.ATTRIBUTES "Item CDATA #FIXED '9'
  Table CDATA #FIXED '76'
  LongName CDATA #FIXED 'Message Type'
  Type CDATA #FIXED 'CM_MSG_TYPE'">
<!ATTLIST MSH.9  %MSH.9.ATTRIBUTES; >
<!ENTITY % MSH.10.CONTENT "%ST;">
<!ELEMENT MSH.10 %MSH.10.CONTENT;>
<!ENTITY % MSH.10.ATTRIBUTES "Item CDATA #FIXED '10'
  Table CDATA #FIXED '0'
  LongName CDATA #FIXED 'Message Control ID'
  Type CDATA #FIXED 'ST'">
<!ATTLIST MSH.10  %MSH.10.ATTRIBUTES; >
<!ENTITY % MSH.11.CONTENT "%PT;">
<!ELEMENT MSH.11 %MSH.11.CONTENT;>
<!ENTITY % MSH.11.ATTRIBUTES "Item CDATA #FIXED '11'
  Table CDATA #FIXED '0'
  LongName CDATA #FIXED 'Processing ID'
  Type CDATA #FIXED 'PT'">
<!ATTLIST MSH.11  %MSH.11.ATTRIBUTES; >
<!ENTITY % MSH.12.CONTENT "%VID;">
<!ELEMENT MSH.12 %MSH.12.CONTENT;>
<!ENTITY % MSH.12.ATTRIBUTES "Item CDATA #FIXED '12'
  Table CDATA #FIXED '104'
  LongName CDATA #FIXED 'Version ID'
  Type CDATA #FIXED 'VID'">
<!ATTLIST MSH.12  %MSH.12.ATTRIBUTES; >
<!ENTITY % MSH.13.CONTENT "%NM;">
<!ELEMENT MSH.13 %MSH.13.CONTENT;>
<!ENTITY % MSH.13.ATTRIBUTES "Item CDATA #FIXED '13'
  Table CDATA #FIXED '0'
  LongName CDATA #FIXED 'Sequence Number'
  Type CDATA #FIXED 'NM'">

```

FIG. 26-C

```
<!ATTLIST MSH.13  %MSH.13.ATTRIBUTES; >
<!ENTITY % MSH.14.CONTENT "%ST;">
<!ELEMENT MSH.14 %MSH.14.CONTENT;>
<!ENTITY % MSH.14.ATTRIBUTES "Item CDATA #FIXED '14'
  Table CDATA #FIXED '0'
  LongName CDATA #FIXED 'Continuation Pointer'
  Type CDATA #FIXED 'ST'">
<!ATTLIST MSH.14  %MSH.14.ATTRIBUTES; >
<!ENTITY % MSH.15.CONTENT "%ID;">
<!ELEMENT MSH.15 %MSH.15.CONTENT;>
<!ENTITY % MSH.15.ATTRIBUTES "Item CDATA #FIXED '15'
  Table CDATA #FIXED '155'
  LongName CDATA #FIXED 'Accept Acknowledgment Type'
  Type CDATA #FIXED 'ID'">
<!ATTLIST MSH.15  %MSH.15.ATTRIBUTES; >
<!ENTITY % MSH.16.CONTENT "%ID;">
<!ELEMENT MSH.16 %MSH.16.CONTENT;>
<!ENTITY % MSH.16.ATTRIBUTES "Item CDATA #FIXED '16'
  Table CDATA #FIXED '155'
  LongName CDATA #FIXED 'Application Acknowledgment Type'
  Type CDATA #FIXED 'ID'">
<!ATTLIST MSH.16  %MSH.16.ATTRIBUTES; >
<!-- PID Field declarations --&gt;
&lt;!ENTITY % PID.3.CONTENT "%CX;"&gt;
&lt;!ELEMENT PID.3 %PID.3.CONTENT;&gt;
&lt;!ENTITY % PID.3.ATTRIBUTES "Item CDATA #FIXED '106'
  Table CDATA #FIXED '0'
  LongName CDATA #FIXED 'Patient Identifier List'
  Type CDATA #FIXED 'CX'"&gt;
&lt;!ATTLIST PID.3  %PID.3.ATTRIBUTES; &gt;
&lt;!ENTITY % PID.5.CONTENT "%XPN;"&gt;
&lt;!ELEMENT PID.5 %PID.5.CONTENT;&gt;
&lt;!ENTITY % PID.5.ATTRIBUTES "Item CDATA #FIXED '108'
  Table CDATA #FIXED '0'
  LongName CDATA #FIXED 'Patient Name'
  Type CDATA #FIXED 'XPN'"&gt;
&lt;!ATTLIST PID.5  %PID.5.ATTRIBUTES; &gt;</pre>
```

```

<!-- Include HL7 Version 2.3.1 datatypes specification -->
<!ENTITY % HL7V231-datatypes PUBLIC "-//HL7//DTD HL7 V2.3.1 datatype
definitions//EN" "datatypes.dtd">
%HL7V231-datatypes;
<!-- Message declaration -->
<!ENTITY % ADT_A47.CONTENT "(MSH, EVN, PID, MRG)">
<!ELEMENT ADT_A47 %ADT_A47.CONTENT;>
<!-- Segment declarations -->
<!ENTITY % EVN.CONTENT "(EVN.1?, EVN.2, EVN.4?, EVN.7?)">
<!ELEMENT EVN %EVN.CONTENT;>
<!ENTITY % MSH.CONTENT "(MSH.1, MSH.2, MSH.3?, MSH.4?, MSH.5?, MSH.6?, MSH.7, MSH.8?, MSH.
9, MSH.10, MSH.11, MSH.12, MSH.13?, MSH.14?, MSH.15?, MSH.16?)">
<!ELEMENT MSH %MSH.CONTENT;>
<!ENTITY % PID.CONTENT "(PID.3+, PID.5+, PID.6*, PID.7?, PID.8?, PID.9*, PID.10*, PID.11*
, PID.12?, PID.13*, PID.14*, PID.16?, PID.17?, PID.19?, PID.20?, PI
D.22*, PID.23?, PID.28?)">
<!ELEMENT PID %PID.CONTENT;>
<!ENTITY % MRG.CONTENT "(MRG.1+)">
<!ELEMENT MRG %MRG.CONTENT;>
<!-- Field declarations -->
<!-- EVN field declarations -->
<!ELEMENT EVN.1 %EVN.1.CONTENT;>
<!ENTITY % EVN.1.ATTRIBUTES "Item CDATA #FIXED '99'
Table CDATA #FIXED '3'
LongName CDATA #FIXED 'Event Type Code'
Type CDATA #FIXED 'ID'">
<!ATTLIST EVN.1 %EVN.1.ATTRIBUTES; >
<!ENTITY % EVN.2.CONTENT "%TS;">
<!ELEMENT EVN.2 %EVN.2.CONTENT;>
<!ENTITY % EVN.2.ATTRIBUTES "Item CDATA #FIXED '100'
Table CDATA #FIXED '0'
LongName CDATA #FIXED 'Recorded Date/Time'
Type CDATA #FIXED 'TS'">
<!ATTLIST EVN.2 %EVN.2.ATTRIBUTES; >
<!ENTITY % EVN.4.CONTENT "%IS;">
<!ELEMENT EVN.4 %EVN.4.CONTENT;>
<!ENTITY % EVN.4.ATTRIBUTES "Item CDATA #FIXED '102'
Table CDATA #FIXED '62'
LongName CDATA #FIXED 'Event Reason Code'
Type CDATA #FIXED 'IS'">
<!ATTLIST EVN.4 %EVN.4.ATTRIBUTES; >
<!ENTITY % EVN.7.CONTENT "%HD;">
<!ELEMENT EVN.7 %EVN.7.CONTENT;>
<!ENTITY % EVN.7.ATTRIBUTES "Item CDATA #FIXED '1534'
Table CDATA #FIXED '0'
LongName CDATA #FIXED Event Facility'

```

FIG. 27-A

```

Type CDATA #FIXED 'HD'">
<!ATTLIST EVN.7  %EVN.7.ATTRIBUTES; >
<!-- MRG field declarations -->
<!ENTITY % MRG.1.CONTENT "%CX;">
<!ELEMENT MRG.3 %MRG.1.CONTENT;>
<!ENTITY % MRG.1.ATTRIBUTES "Item CDATA #FIXED '211'
Table CDATA #FIXED '0'
LongName CDATA #FIXED 'Prior Patient Identifier List'
Type CDATA #FIXED 'CX'">
<!ATTLIST MRG.1  %MRG.1.ATTRIBUTES; >
<!-- MSH field declarations -->
<!ENTITY % MSH.1.CONTENT "%ST;">
<!ELEMENT MSH.1 %MSH.1.CONTENT;>
<!ENTITY % MSH.1.ATTRIBUTES "Item CDATA #FIXED '1'
Table CDATA #FIXED '0'
LongName CDATA #FIXED 'Field Separator'
Type CDATA #FIXED 'ST'">
<!ATTLIST MSH.1  %MSH.1.ATTRIBUTES; >
<!ENTITY % MSH.2 .CONTENT "%ST;">
<!ELEMENT MSH.2 %MSH.2.CONTENT;>
<!ENTITY % MSH.2.ATTRIBUTES "Item CDATA #FIXED '2'
Table CDATA #FIXED '0'
LongName CDATA #FIXED 'Encoding Characters'
Type CDATA #FIXED 'ST'">
<!ATTLIST MSH.2  %MSH.2.ATTRIBUTES; >
<!ENTITY % MSH.3.CONTENT "%HD;">
<!ELEMENT MSH.3 %MSH.3.CONTENT;>
<!ENTITY % MSH.3.ATTRIBUTES "Item CDATA #FIXED '3'
Table CDATA #FIXED '361'
LongName CDATA #FIXED 'Sending Application'
Type CDATA #FIXED 'HD'">
<!ATTLIST MSH.3  %MSH.3.ATTRIBUTES; >
<!ENTITY % MSH.4.CONTENT "%HD;">
<!ELEMENT MSH.4 %MSH.4.CONTENT;>
<!ENTITY % MSH.4.ATTRIBUTES "Item CDATA #FIXED '4'
Table CDATA #FIXED '362'
LongName CDATA #FIXED 'Sending Facility'
Type CDATA #FIXED 'HD'">
<!ATTLIST MSH.4  %MSH.4.ATTRIBUTES; >
<!ENTITY % MSH.5.CONTENT "%HD;">
<!ELEMENT MSH.5 %MSH.5.CONTENT;>
<!ENTITY % MSH.5.ATTRIBUTES "Item CDATA #FIXED '5'
Table CDATA #FIXED '361'
LongName CDATA #FIXED 'Receiving Application'
Type CDATA #FIXED 'HD'">

```

```

<!ATTLIST MSH.5  %MSH.5.ATTRIBUTES; >
<!ENTITY % MSH.6.CONTENT "%HD;">
<!ELEMENT MSH.6 %MSH.6.CONTENT;>
<!ENTITY % MSH.6.ATTRIBUTES "Item CDATA #FIXED '6'
Table CDATA #FIXED '362'
LongName CDATA #FIXED 'Receiving Facility'
Type CDATA #FIXED 'HD'">
<!ATTLIST MSH.6  %MSH.6.ATTRIBUTES; >
<!ENTITY % MSH.7.CONTENT "%TS;">
<!ELEMENT MSH.7 %MSH.7.CONTENT;>
<!ENTITY % MSH.7.ATTRIBUTES "Item CDATA #FIXED '7'
Table CDATA #FIXED '0'
LongName CDATA #FIXED 'Date/Time Of Message'
Type CDATA #FIXED 'TS'">
<!ATTLIST MSH.7  %MSH.7.ATTRIBUTES; >
<!ENTITY % MSH.8.CONTENT "%ST;">
<!ELEMENT MSH.8 %MSH.8.CONTENT;>
<!ENTITY % MSH.8.ATTRIBUTES "Item CDATA #FIXED '8'
Table CDATA #FIXED '0'
LongName CDATA #FIXED 'Security'
Type CDATA #FIXED 'ST'">
<!ATTLIST MSH.8  %MSH.8.ATTRIBUTES; >
<!ENTITY % MSH.9.CONTENT "%CM_MSG_TYPE;">
<!ELEMENT MSH.9 %MSH.9.CONTENT;>
<!ENTITY % MSH.9.ATTRIBUTES "Item CDATA #FIXED '9'
Table CDATA #FIXED '76'
LongName CDATA #FIXED 'Message Type'
Type CDATA #FIXED 'CM_MSG_TYPE'">
<!ATTLIST MSH.9  %MSH.9.ATTRIBUTES; >
<!ENTITY % MSH.10.CONTENT "%ST;">
<!ELEMENT MSH.10 %MSH.10.CONTENT;>
<!ENTITY % MSH.10.ATTRIBUTES "Item CDATA #FIXED '10'
Table CDATA #FIXED '0'
LongName CDATA #FIXED 'Message Control ID'
Type CDATA #FIXED 'ST'">
<!ATTLIST MSH.10  %MSH.10.ATTRIBUTES; >
<!ENTITY % MSH.11.CONTENT "%PT;">
<!ELEMENT MSH.11 %MSH.11.CONTENT;>
<!ENTITY % MSH.11.ATTRIBUTES "Item CDATA #FIXED '11'
Table CDATA #FIXED '0'
LongName CDATA #FIXED 'Processing ID'
Type CDATA #FIXED 'PT'">
<!ATTLIST MSH.11  %MSH.11.ATTRIBUTES; >
<!ENTITY % MSH.12.CONTENT "%VID;">
<!ELEMENT MSH.12 %MSH.12.CONTENT;>

```

```

<!ENTITY % MSH.12.ATTRIBUTES "Item CDATA #FIXED '12'
Table CDATA #FIXED '104'
LongName CDATA #FIXED 'Version ID'
Type CDATA #FIXED 'VID'">
<!ATTLIST MSH.12 %MSH.12.ATTRIBUTES; >
<!ENTITY % MSH.13.CONTENT "%NM;">
<!ELEMENT MSH.13 %MSH.13.CONTENT;>
<!ENTITY % MSH.13.ATTRIBUTES "Item CDATA #FIXED '13'
Table CDATA #FIXED '0'
LongName CDATA #FIXED 'Sequence Number'
Type CDATA #FIXED 'NM'">
<!ATTLIST MSH.13 %MSH.13.ATTRIBUTES; >
<!ENTITY % MSH.14.CONTENT "%ST;">
<!ELEMENT MSH.14 %MSH.14.CONTENT;>
<!ENTITY % MSH.14.ATTRIBUTES "Item CDATA #FIXED '14'
Table CDATA #FIXED '0'
LongName CDATA #FIXED 'Continuation Pointer'
Type CDATA #FIXED 'ST'">
<!ATTLIST MSH.14 %MSH.14.ATTRIBUTES; >
<!ENTITY % MSH.15.CONTENT "%ID;">
<!ELEMENT MSH.15 %MSH.15.CONTENT;>
<!ENTITY % MSH.15.ATTRIBUTES "Item CDATA #FIXED '15'
Table CDATA #FIXED '155'
LongName CDATA #FIXED 'Accept Acknowledgment Type'
Type CDATA #FIXED 'ID'">
<!ATTLIST MSH.15 %MSH.15.ATTRIBUTES; >
<!ENTITY % MSH.16.CONTENT "%ID;">
<!ELEMENT MSH.16 %MSH.16.CONTENT;>
<!ENTITY % MSH.16.ATTRIBUTES "Item CDATA #FIXED '16'
Table CDATA #FIXED '155'
LongName CDATA #FIXED 'Application Acknowledgment Type'
Type CDATA #FIXED 'ID'">
<!ATTLIST MSH.16 %MSH.16.ATTRIBUTES; >
<!-- PID Field declarations -->
<!ENTITY % PID.3.CONTENT "%CX;">
<!ELEMENT PID.3 %PID.3.CONTENT;>
<!ENTITY % PID.3.ATTRIBUTES "Item CDATA #FIXED '106'
Table CDATA #FIXED '0'
LongName CDATA #FIXED 'Patient Identifier List'
Type CDATA #FIXED 'CX'">
<!ATTLIST PID.3 %PID.3.ATTRIBUTES; >
<!ENTITY % PID.5.CONTENT "%XPN;">
<!ELEMENT PID.5 %PID.5.CONTENT;>
<!ENTITY % PID.5.ATTRIBUTES "Item CDATA #FIXED '108'
Table CDATA #FIXED '0'

```

FIG. 27-D

```

  LongName CDATA #FIXED 'Patient Name'
  Type CDATA #FIXED 'XPN'">
<!ATTLIST PID.5  %PID.5.ATTRIBUTES; >
<!ENTITY % PID.6.CONTENT "%XPN;">
<!ELEMENT PID.6 %PID.6.CONTENT;>
<!ENTITY % PID.6.ATTRIBUTES "Item CDATA #FIXED '109'
  Table CDATA #FIXED '0'
  LongName CDATA #FIXED 'Mother's Maiden Name'
  Type CDATA #FIXED 'XPN'">
<!ATTLIST PID.6  %PID.6.ATTRIBUTES; >
<!ENTITY % PID.7.CONTENT "%TS;">
<!ELEMENT PID.7 %PID.7.CONTENT;>
<!ENTITY % PID.7.ATTRIBUTES "Item CDATA #FIXED '110'
  Table CDATA #FIXED '0'
  LongName CDATA #FIXED 'Date/Time Of Birth'
  Type CDATA #FIXED 'TS'">
<!ATTLIST PID.7  %PID.7.ATTRIBUTES; >
<!ENTITY % PID.8.CONTENT "%IS;">
<!ELEMENT PID.8 %PID.8.CONTENT;>
<!ENTITY % PID.8.ATTRIBUTES "Item CDATA #FIXED '111'
  Table CDATA #FIXED '1'
  LongName CDATA #FIXED 'Administrative Sex'
  Type CDATA #FIXED 'IS'">
<!ATTLIST PID.8  %PID.8.ATTRIBUTES; >
<!ENTITY % PID.9.CONTENT "%XPN;">
<!ELEMENT PID.9 %PID.9.CONTENT;>
<!ENTITY % PID.9.ATTRIBUTES "Item CDATA #FIXED '112'
  Table CDATA #FIXED '0'
  LongName CDATA #FIXED 'Patient Alias'
  Type CDATA #FIXED 'XPN'">
<!ATTLIST PID.9  %PID.9.ATTRIBUTES; >
<!ENTITY % PID.10.CONTENT "%CE;">
<!ELEMENT PID.10 %PID.10.CONTENT;>
<!ENTITY % PID.10.ATTRIBUTES "Item CDATA #FIXED '113'
  Table CDATA #FIXED '5'
  LongName CDATA #FIXED 'Race'
  Type CDATA #FIXED 'CE'">
<!ATTLIST PID.10  %PID.10.ATTRIBUTES; >
<!ENTITY % PID.11.CONTENT "%XAD;">
<!ELEMENT PID.11 %PID.11.CONTENT;>
<!ENTITY % PID.11.ATTRIBUTES "Item CDATA #FIXED '114'
  Table CDATA #FIXED '0'
  LongName CDATA #FIXED 'Patient Address'
  Type CDATA #FIXED 'XAD'">
<!ATTLIST PID.11  %PID.11.ATTRIBUTES; >

```

```

<!ENTITY % PID.12.CONTENT "%IS;">
<!ELEMENT PID.12 %PID.12.CONTENT;>
<!ENTITY % PID.12.ATTRIBUTES "Item CDATA #FIXED '115'
  Table CDATA #FIXED '289'
  LongName CDATA #FIXED 'County Code'
  Type CDATA #FIXED 'IS'">
<!ATTLIST PID.12  %PID.12.ATTRIBUTES; >
<!ENTITY % PID.13.CONTENT "%XTN;">
<!ELEMENT PID.13 %PID.13.CONTENT;>
<!ENTITY % PID.13.ATTRIBUTES "Item CDATA #FIXED '116'
  Table CDATA #FIXED '0'
  LongName CDATA #FIXED 'Phone Number - Home'
  Type CDATA #FIXED 'XTN'">
<!ATTLIST PID.13  %PID.13.ATTRIBUTES; >
<!ENTITY % PID.14.CONTENT "%XTN;">
<!ELEMENT PID.14 %PID.14.CONTENT;>
<!ENTITY % PID.14.ATTRIBUTES "Item CDATA #FIXED '117'
  Table CDATA #FIXED '0'
  LongName CDATA #FIXED 'Phone Number - Business'
  Type CDATA #FIXED 'XTN'">
<!ATTLIST PID.14  %PID.14.ATTRIBUTES; >
<!ENTITY % PID.16.CONTENT "%CE;">
<!ELEMENT PID.16 %PID.16.CONTENT;>
<!ENTITY % PID.16.ATTRIBUTES "Item CDATA #FIXED '119'
  Table CDATA #FIXED '2'
  LongName CDATA #FIXED 'Marital Status'
  Type CDATA #FIXED 'CE'">
<!ATTLIST PID.16  %PID.16.ATTRIBUTES; >
<!ENTITY % PID.17.CONTENT "%CE;">
<!ELEMENT PID.17 %PID.17.CONTENT;>
<!ENTITY % PID.17.ATTRIBUTES "Item CDATA #FIXED '120'
  Table CDATA #FIXED '6'
  LongName CDATA #FIXED 'Religion'
  Type CDATA #FIXED 'CE'">
<!ATTLIST PID.17  %PID.17.ATTRIBUTES; >
<!ENTITY % PID.19.CONTENT "%ST;">
<!ELEMENT PID.19 %PID.19.CONTENT;>
<!ENTITY % PID.19.ATTRIBUTES "Item CDATA #FIXED '122'
  Table CDATA #FIXED '0'
  LongName CDATA #FIXED 'SSN Number - Patient'
  Type CDATA #FIXED 'ST'">
<!ATTLIST PID.19  %PID.19.ATTRIBUTES; >
<!ENTITY % PID.20.CONTENT "%DLN;">
<!ELEMENT PID.20 %PID.20.CONTENT;>
<!ENTITY % PID.20.ATTRIBUTES "Item CDATA #FIXED '123'

```

FIG. 27-F

```
Table CDATA #FIXED '0'
LongName CDATA #FIXED 'Driver's License Number - Patient'
Type CDATA #FIXED 'DLN'">
<!ATTLIST PID.20  %PID.20.ATTRIBUTES; >
<!ENTITY % PID.22.CONTENT "%CE;">
<!ELEMENT PID.22 %PID.22.CONTENT;>
<!ENTITY % PID.22.ATTRIBUTES "Item CDATA #FIXED '125'
Table CDATA #FIXED '189'
LongName CDATA #FIXED 'Ethnic Group'
Type CDATA #FIXED 'CE'">
<!ATTLIST PID.22  %PID.22.ATTRIBUTES; >
<!ENTITY % PID.23.CONTENT "%ST;">
<!ELEMENT PID.23 %PID.23.CONTENT;>
<!ENTITY % PID.23.ATTRIBUTES "Item CDATA #FIXED '126'
Table CDATA #FIXED '0'
LongName CDATA #FIXED 'Birth Place'
Type CDATA #FIXED 'ST'">
<!ATTLIST PID.23  %PID.23.ATTRIBUTES; >
<!ENTITY % PID.28.CONTENT "%CE;">
<!ELEMENT PID.28 %PID.28.CONTENT;>
<!ENTITY % PID.28.ATTRIBUTES "Item CDATA #FIXED '739'
Table CDATA #FIXED '212'
LongName CDATA #FIXED 'Nationality'
Type CDATA #FIXED 'CE'">
<!ATTLIST PID.28  %PID.28.ATTRIBUTES; >
```

Universal Person Object

Transient Class Hierarchy

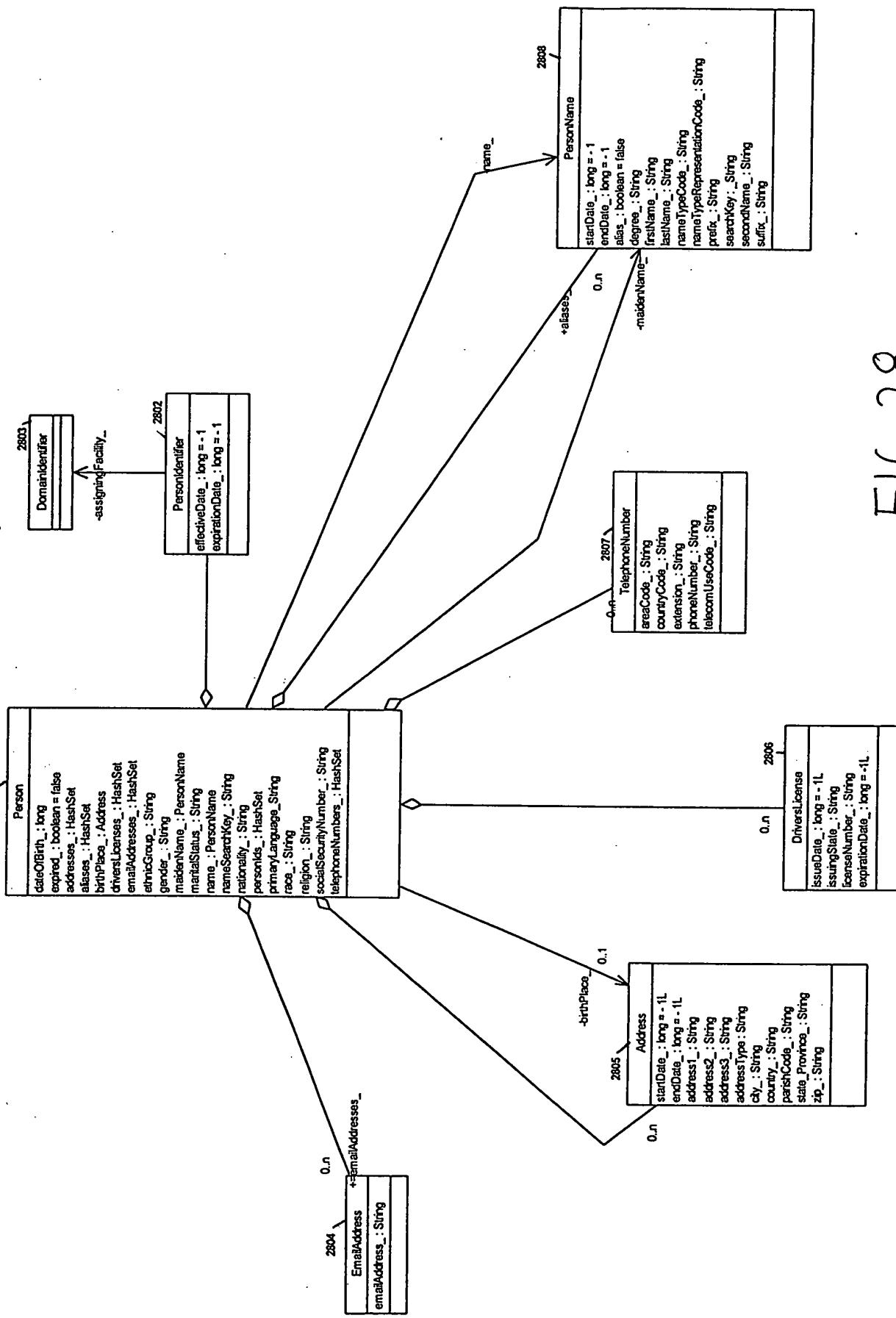


FIG. 28

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2901
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2904	2905	2906	2907	2908	2909
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210

External System

:ebXMLParser

:c1sHandler

: Person

ebXMLHeaderHandler

:C:\Document

```

sequenceDiagram
    participant ebXMLParser
    participant Person
    participant ebXMLHeaderHandler
    participant ebXMLHeader
    ebXMLParser->>ebXMLParser: self-call
    ebXMLParser->>Person: getHandler(String, Attributes, String)
    activate Person
    Person->>ebXMLHeaderHandler: ebXMLHeaderHandler()
    deactivate Person
    ebXMLParser->>ebXMLHeaderHandler: parse()
    activate ebXMLHeaderHandler
    ebXMLHeaderHandler->>ebXMLHeader: getHeader()
    activate ebXMLHeader
    ebXMLHeader-->>ebXMLParser: Person()
    ebXMLParser->>Person: setInputSource()
    activate Person
    Person->>ebXMLHeaderHandler: parse()
    deactivate Person
    ebXMLHeaderHandler->>ebXMLHeader: getLocations(Date, Date, Person)
    activate ebXMLHeader
    ebXMLHeader-->>ebXMLParser: generate()
    deactivate ebXMLHeader

```

FIG. 29

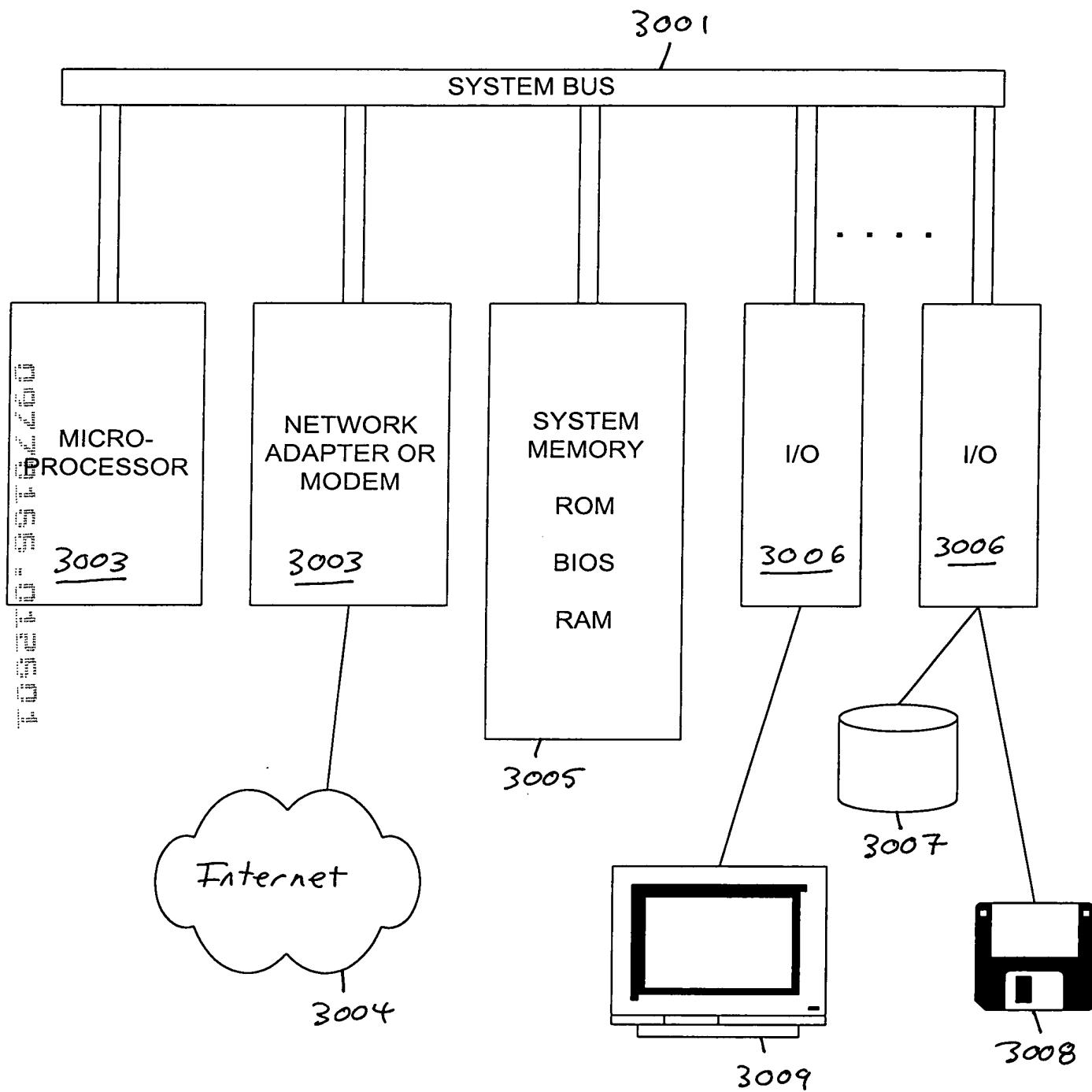


FIG. 30